

Industrial and Plant  
Marking Systems



ISO 9001



SCC\*\*

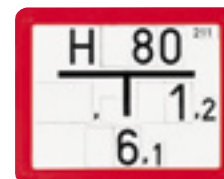
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**Pointing the Way – Right From the Start**  
 Franken Plastik provides signs for manufacturing companies, power supply companies and public utilities

The Franken Plastik marking systems point the way for a number of applications and industry sectors. Whether it's signs for pipeline or valve marking, lamppost signs, disposal site signage or industrial plant marking, utilities and manufacturing companies are always on the safe side with FP products. We use the very best materials, our signs are easy to handle and our products are versatile. That's what makes FP's range stand out from the rest.



Franken Plastik GmbH  
 Balbiererstraße 11  
 90763 Fürth  
 Germany  
 Phone +49 911 78707-0  
 Fax +49 911 78707-65  
 info@frankenplastik.de  
 www.frankenplastik.de

Updated: 11/2015  
 2015-375



**Pointing the Way – Right From the Start**  
**Active Worldwide, Local On-site Service**

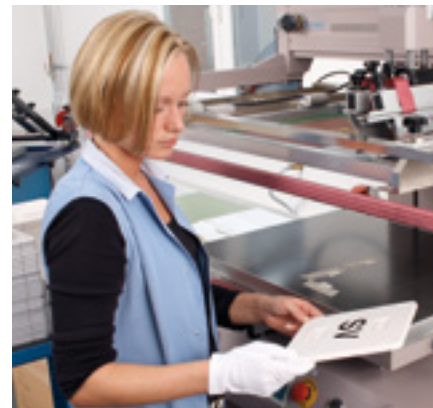
For more than 50 years, Franken Plastik (FP) has been setting standards again and again with its developments in the field of indicator signs and identification marking systems. For example, the self-securing system, or the exact indentations that we use to combine the sign, the backing plate and the inserts. This protects the information in FP indicator signs from any tampering by unauthorized persons. And don't forget the snap-in installation system. This has made the mounting of signs far easier because it is no longer necessary to carry out the tedious process of screwing together the sign and the backing plate because they simply snap securely into place. At the end of the last millennium, FP began a new era with the launch of the FP Memo Sign. On the transponder tag integrated into the sign, a wide variety of information can be saved on the chip, which can then be accessed by various EDP or GPS systems.

**Rapid Service**

FP is based in the metropolitan region of Nuremberg-Fürth-Erlangen in the south of Germany. It is an independent partner within the American EnPro Industries Group, which has its head office in Charlotte (USA). Around 5,000 people work for this group worldwide, with 50 employees based at the Fürth site for production and sales. Together with its field sales team in Germany and a host of sales partners in other countries, FP always ensures rapid service from start to finish.

**Comprehensive Range**

It is not just indicator signs and identification marking that FP can offer its customers: there's a whole range of options. FP has a variety of fastening technologies to satisfy the demands of every customer. There is a fastening option for every application, whether it is fixing signs on a fence, a wall or a post, with or without backing plate, and as an individual sign or in combination with others.



**Indicator signs and Marking Systems from FP:**  
 please order our separate catalogue

**Industrial Plant Marking Systems**

In addition to indicator signs for energy supply companies and public utilities, FP also has a broad product portfolio for industrial plant and power station marking systems within its product program. The offering ranges from the Thermo UV Sign and RFID signs to open-end clip-on signs made from plastic or with metal holders, and on to pipeline identification marking with foils.



**Quality Management Certification**

The German inspection agency TÜV SÜD Management Service GmbH has certified that FP successfully implemented a quality management system in the area of “plastic injection moulding, the manufacture and sale of plastic indicator signs and laser engraved signs as well as special signage and foils for identification marking purposes”. With this certification, FP is in compliance with the industrial standard ISO 9001:2008.



ISO 9001










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## Signs and Identification Marking Systems

	FP Thermo UV Sign P. 09	FP Thermo UV Sign »max« P. 12	FP Thermo UV Sign »smart« P. 17	FP fix System P. 23	FP Multi Sign for Industrial Plant Marking P. 29	FP Plastic Sign Laser Engraving P. 39	FP Plastic Sign Mechanical Engraving P. 47	FP Plastic Sign Printed P. 53	FP Clip on Sign U-Profile P. 59		FP Aluminium Sign Mechanical Engraving P. 63	FP Aluminium Sign Printed & Stoved P. 69	FP V2A Sign Laser Engraving P. 75	FP Pipeline Identification Marking P. 83	FP RFID Signs P. 93	FP Foil Stickers P. 105	FP Type Plates P. 109	FP Safety and Hazard Identification Marking P. 113	FP Multi Sign for Power Stations P. 131	FP Clip System Open end Clip on Sign P. 145	FP Clip System Special Solutions P. 151	FP Coloured through Special Solutions P. 169
 Plant Construction	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
 Chemical, Pharmaceutical and Refinery	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
 Alternative Energy and Biogas	✓	✓	✓	✓			✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
 Electricity & Transport Logistics		✓	✓		✓	✓		✓							✓	✓	✓	✓	✓	✓	✓	✓
 Airports & Transport	✓	✓	✓		✓	✓	✓				✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
 Offshore Plants (Wind & Tidal Power)	✓	✓	✓		✓						✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
 Ventilation, Air Conditioning, Heating and Electrics		✓	✓			✓		✓	✓						✓	✓	✓	✓				✓

Sectors and Main applications



## FP-Thermo-UV-Sign

The Thermo-UV-Sign is temperature resistant up to 120° C. It's outstanding quality is its resistance to particular acids, alkalis and solvents. Medium identification markings and flow direction arrows are coloured through, making them especially robust and weather resistant. Variable and colourful inscriptions are possible, and the flow direction can be adjusted flexibly on site. The Thermo-UV-Sign from FP can, on request, be fitted with RFID technology.

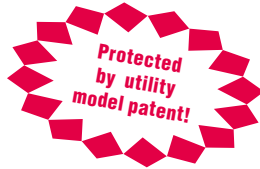
0GNS71 BR300  
 Entlüftungsleitung  
 KF 1 ABA zu Homogenisation

105.061.1  
 Formaldehyd-Lösung  
 von W111A / W111B / W111C  
 ü. 105.271.1  
 zu W11A / W11B  
 ü. 105.071.1

## FP Thermo UV Sign System

### Optional: RFID-Transponder

Data carrier that is individually inscribable thanks to read-write technology, contact-free data acquisition and processing, also directly on the sign.



### Medium Indicator

Colours available in accordance with DIN 2403, **COLOURED THROUGH**, resistant to abrasion, UV resistant, individual arrangement of inserts, approx. 10 x 45 mm



### Information Field

Individual inscriptions possible, special printing / stoving process, resistant to abrasion, particular acids, alkaline solutions and solvents, UV resistant, approx. 85 x 40 mm



### Flow Direction Insert

Flow directions upwards, downwards, left or right, **COLOURED THROUGH**, resistant to abrasion, UV resistant, individual arrangement of inserts, approx. 20 x 45 mm



### Advantages:

- Temperature resistant up to 120°C (up to 150°C for a short time)
- Resistant to particular acids, alkaline solutions and solvents
- COLOURED THROUGH medium indicator and flow direction arrows
- Many options for individual inscriptions, various medium indicators in accordance with DIN 2403
- Comprehensive range of fastening options
- Resistant to UV rays

## FP Thermo UV Sign Fastening

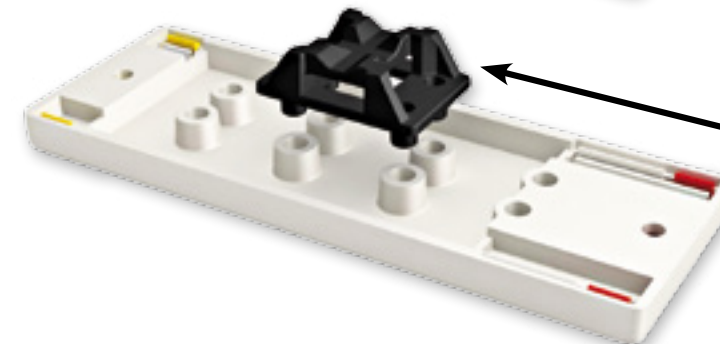
### The Fastening Options:



Adhesive and screws



V2A fixing plate to clip in, for mounting with tensioning strap or cable ties



Flix clip, for mounting with tensioning strap or cable ties

### Medium indicators in accordance with DIN2403



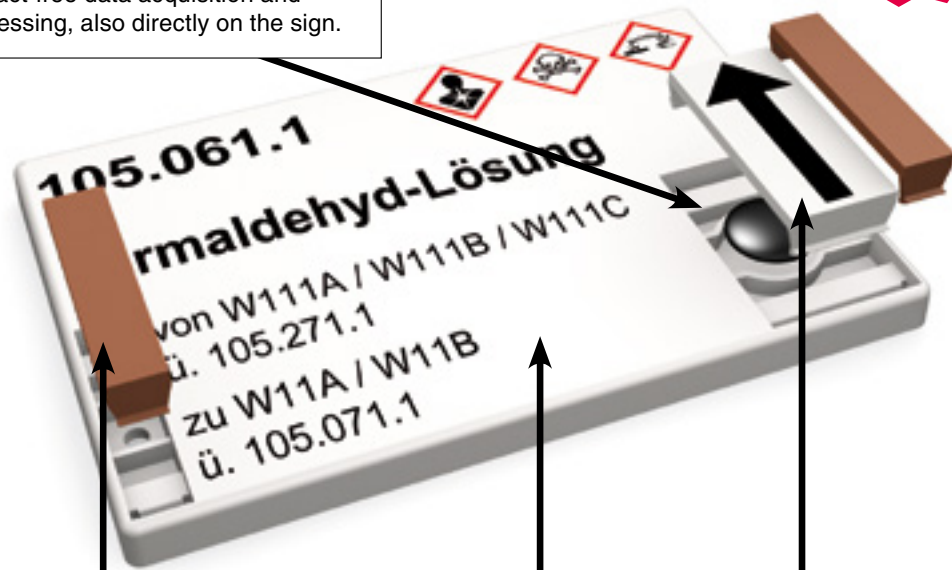


FP Thermo UV Sign »max«  
System



**Optional:  
RFID-Transponder**

Data carrier that is individually inscribable thanks to read-write technology, contact-free data acquisition and processing, also directly on the sign.



**Medium Indicator**

Colours available in accordance with DIN 2403, **COLOURED THROUGH**, resistant to abrasion, UV resistant, individual arrangement of inserts, approx. 10 x 45 mm



**Information Fields**

Individual inscriptions possible, special printing / stoving process, resistant to abrasion, particular acids, alkaline solutions and solvents, UV resistant, approx. 100 x 95 mm



**Flow Direction Insert**

Flow directions upwards, downwards, left or right, **COLOURED THROUGH**, resistant to abrasion, UV resistant, individual arrangement of inserts, approx. 20 x 45 mm



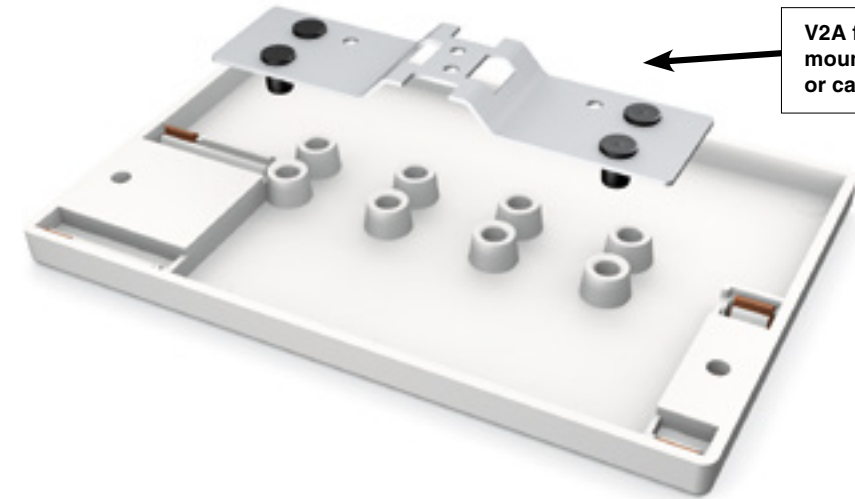
**Advantages:**

- Temperature resistant up to 120°C (up to 150°C for a short time)
- Resistant to particular acids, alkaline solutions and solvents
- COLOURED THROUGH medium indicator and flow direction arrows
- Many options for individual inscriptions, various medium indicators in accordance with DIN 2403
- Comprehensive range of fastening options
- Resistant to UV rays

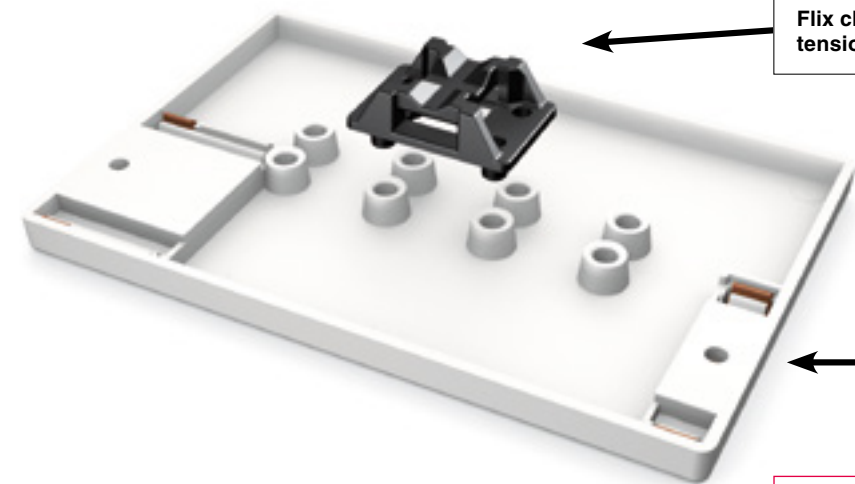
FP-Thermo-UV-Sign »max«  
Fastening



The Fastening Options:



V2A fixing plate to clip in, for mounting with tensioning strap or cable ties



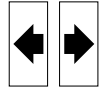
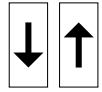
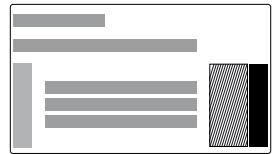
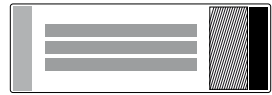
Flix clip, for mounting with tensioning strap or cable ties

Alternatively, the Thermo UV Sign can also be fastened by screws

**Medium indicators in accordance with DIN2403**

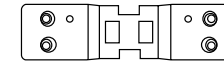


## FP Thermo UV Sign Signs and Inserts



Description	Type	Item No.
<b>Plastic sign</b>	140 x 50 mm printed black, with coloured print	1353037-1 1353037-2
<b>Plastic sign</b>	150 x 100 mm with coloured print	1352001
<b>Direction arrow "vertical"</b>	coloured through, in pack of 100 pieces	1353100
<b>Direction arrow "horizontal"</b>	coloured through, in pack of 100 pieces	1353101
<b>Blank insert</b>	in pack of 100 pieces	1353112
<b>Medium indicators</b>	Blue, coloured through, in pack of 100 pieces	1353102
	Green, coloured through, in pack of 100 pieces	1353103
	Red, coloured trough, in pack of 100 pieces	1353104
	Grey, coloured through, in pack of 100 pieces	1353105
	Yellow, coloured through, in pack of 100 pieces	1353106
	Black, coloured through, in pack of 100 pieces	1353107
	Orange, coloured through, in pack of 100 pieces	1353108
	Violet, coloured through, in pack of 100 pieces	1353109
	Brown, coloured through, in pack of 100 pieces	1353110
	White, coloured through, in pack of 100 pieces	1353111

## FP Thermo UV Sign Fastening



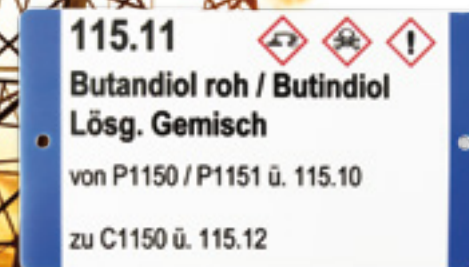
Description	Type	Item No.
<b>RFID Transponder</b> possible as option	self-adhesive	14507
<b>flix clip</b>		
plastic	for mounting with tensio- ning strap or cable ties up to max. 12.5 mm width	1713004
<b>Fixing plate</b>		
V2A	for mounting with tensio- ning strap or cable ties up to max. 9.0 mm width	1713002



**Appropriate mounting material**, such as tensioning straps, cable ties and more, can be found from page 79

## FP-Thermo-UV-Sign »smart«

The Thermo UV Sign “smart” excels thanks to its outstanding flexibility and temperature resistance, whilst still being easy to handle. It can be inscribed in any way; whether you want different colours, a QR code or a logo, everything is possible. The information is printed and then stoved to ensure a longer lifetime. In comparison to a standard plastic sign, the Thermo UV Sign “smart” will not be deformed in any way, even after a 48-hour continuous test at 120°C. There is also a wide range of options available for fastening the sign.

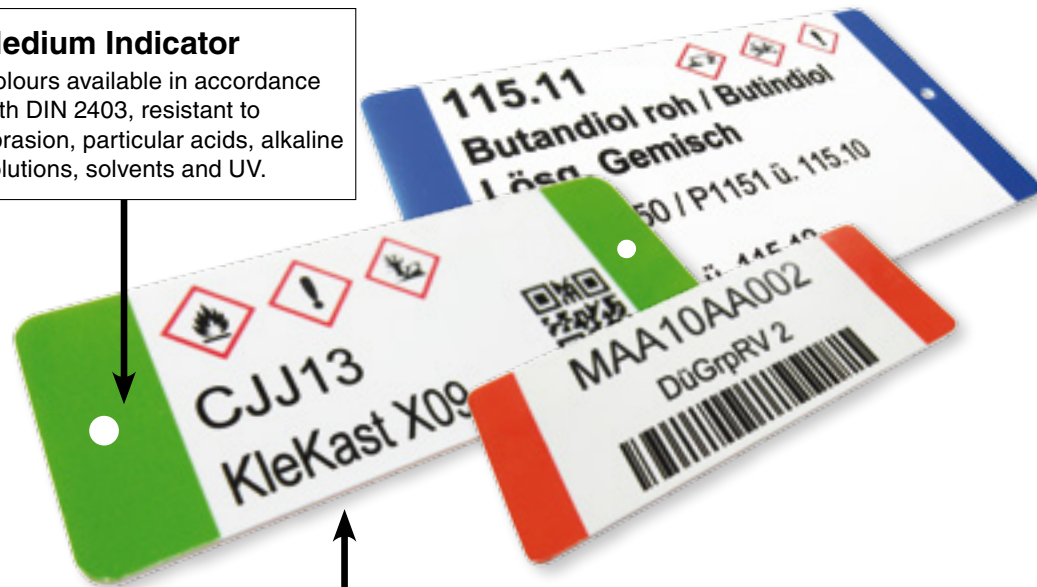




## FP Thermo UV Sign »smart« System

### Medium Indicator

Colours available in accordance with DIN 2403, resistant to abrasion, particular acids, alkaline solutions, solvents and UV.



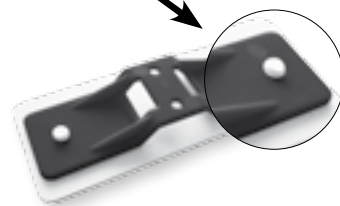
### Information Fields

Free choice of inscriptions with all colours possible. Logos, telephone numbers, texts, QR codes or barcodes and symbols can all be included on request. Information is printed and then stoved. Resistant to abrasion, particular acids, alkaline solutions, solvents and UV.



### Simple Handling

The Thermo UV Sign "smart" (80 x 30 mm) comes as a complete set. There is also an option with a plastic fixing plate as a **thermally welded unit** – ready to mount with tensioning straps or cable ties.



### Thermo UV Sign »smart« and its benefits:

- Temperature resistant up to 120°C (up to 150°C for a short time)
- Resistant to abrasion
- Resistant to particular acids, alkaline solutions and solutions
- UV resistant
- Information printed and stoved (at temperatures of up to 140°C)
- Comes as a complete set
- Comprehensive range of fastening options from FP

## FP Thermo UV Sign »smart« Fastening



Plastic sign 80 x 30 mm with thermally welded fixing plate for mounting with tensioning strap or cable ties (horizontal and vertical).







Plastic sign 110 x 42 mm with fixing plate made from V2A steel or aluminium for mounting with tensioning strap or cable ties (horizontal and vertical).

Plastic sign 110 x 42 mm for mounting with screws or rivets.

Plastic sign 110 x 62 mm for mounting with screws or rivets.

Alternatively the Thermo UV Sign »smart« can also be stuck on with adhesive.

FP-Thermo-UV-Sign »smart«  
Sign and Inserts

	Description	Type	Item No.
	<b>Plastic sign</b>	110 x 62 mm blank (for self-inscription, e.g. with marker pen)	1353036
	<b>Plastic sign</b>	110 x 62 mm, with coloured printing	1353047
	<b>Plastic sign</b>	110 x 42 mm, blank (for self-inscription, e.g. with marker pen)	1353039
	<b>Plastic sign</b>	110 x 42 mm, with coloured printing	1353040
* 	<b>Plastic sign</b>	80 x 30 mm, blank (for self-inscription, e.g. with marker pen)	1353043
* 	<b>Plastic sign</b>	80 x 30 mm, with coloured printing	1353044

\* for mounting with thermally welded plastic fixing plate (Item No. 1353045)

FP-Thermo-UV-Sign »smart«  
Fastening

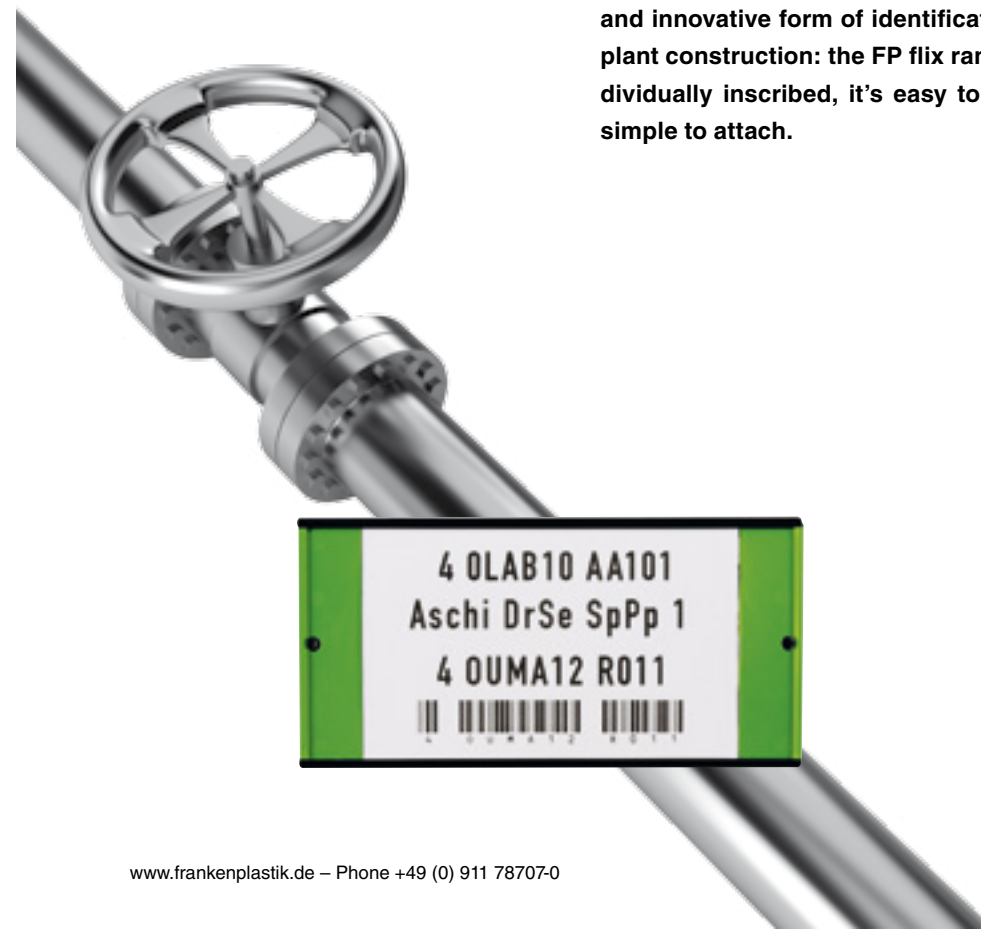
Description	Type	Item No.
<b>Fixing plate</b>		
Plastic	fits sign 80 x 30 mm	1353045
<b>Fixing plate</b>		
V2A	or mounting with tensioning strap or cable ties up to max. 9.5 mm width	1800005
Aluminium	for mounting with tensioning strap or cable ties up to max. 9.5 mm width	1800205



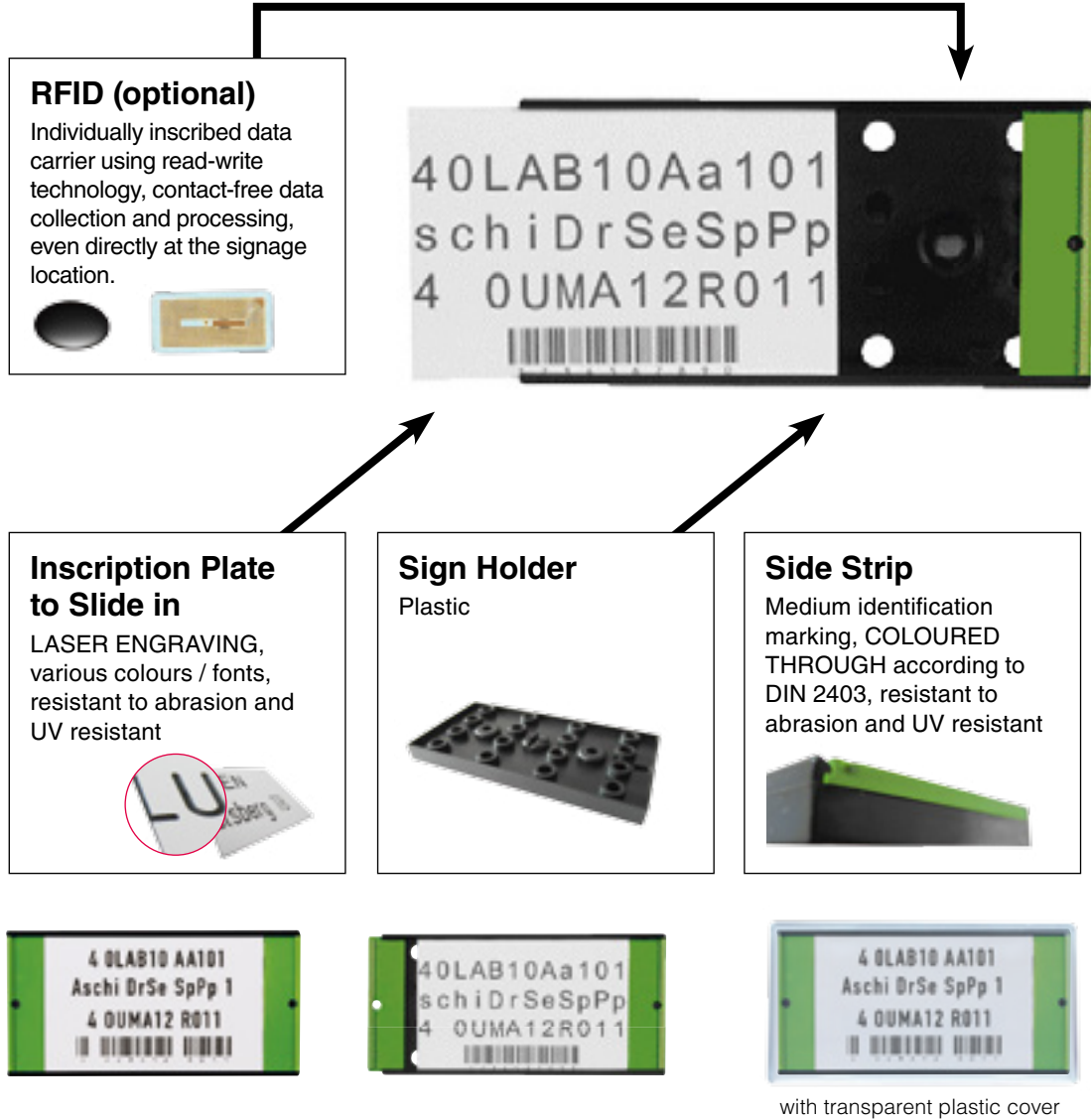
**Appropriate mounting material**, such as tensioning straps, cable ties and more, can be found from page 79

## FP-flix-System

Franken Plastik provides an extremely flexible and innovative form of identification marking for plant construction: the FP flix range. It can be individually inscribed, it's easy to extend and it's simple to attach.



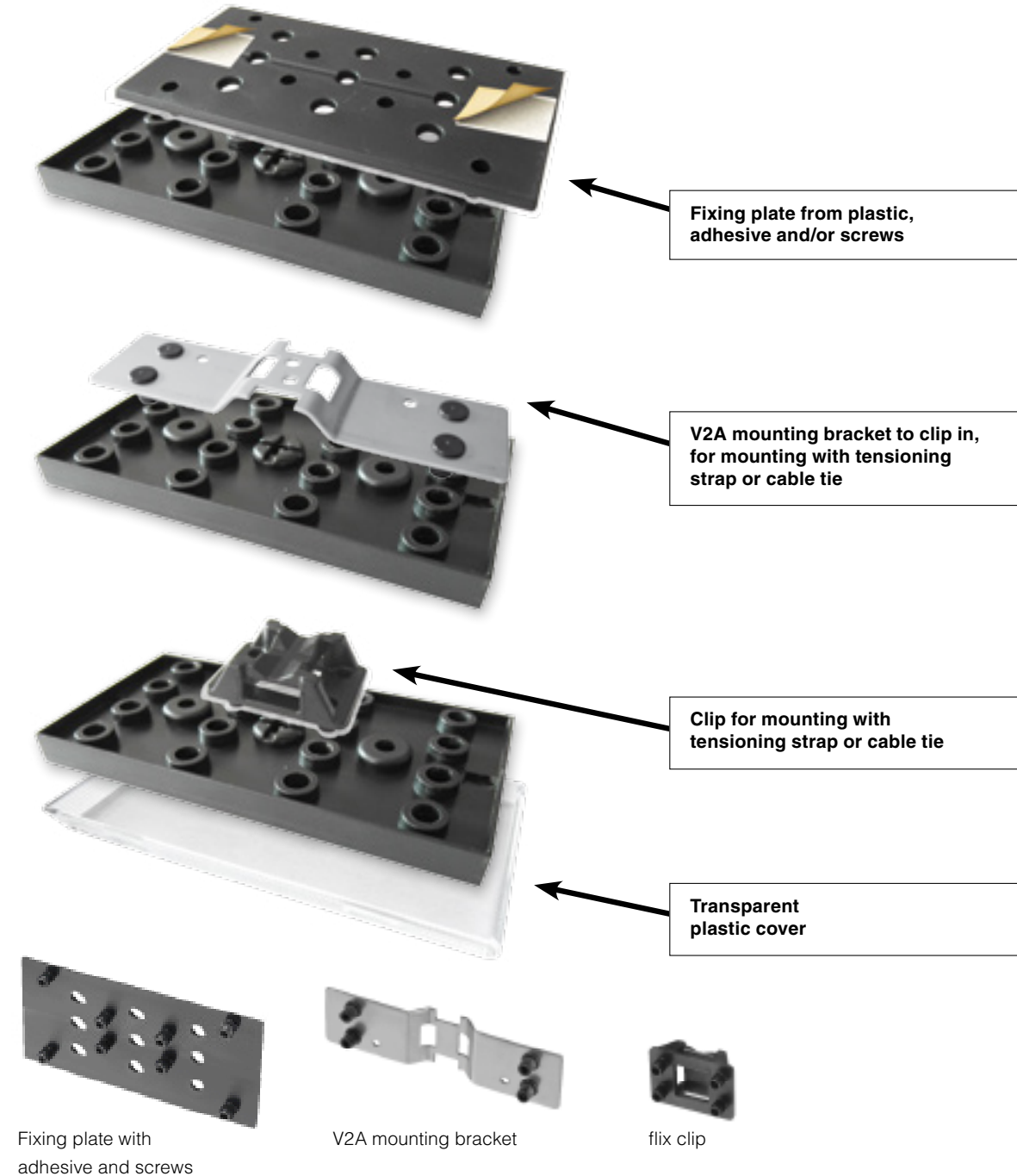




**Advantages:**

- coloured-through side strips (according to DIN 2403)
- laser engraving, weather resistant & UV resistant
- various fastening options
- different colours available on request
- barcode or QR code possible
- temperature resistant to max. 90°C

The fastening options:

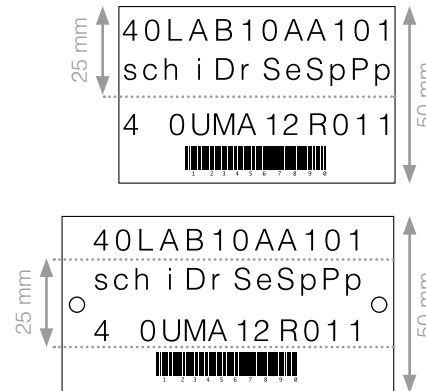


# Inscription Plates, Side Strips

Description	Type (W x H)	Item No.
<b>Inscription plate Laser engraving (0.8 mm material thickness)</b> side strips necessary	87.5 mm x <b>25.0 mm</b>	1201102
	75.0 mm x <b>50.0 mm</b>	1201104
<b>Inscription plate Laser engraving (0.8 mm material thickness)</b> with hole, without side strips	100 mm x <b>25.0 mm</b>	1201103
	100 mm x <b>50.0 mm</b>	1201105
<b>Slide-in strip made from PVC for self-inscription available on request</b>		

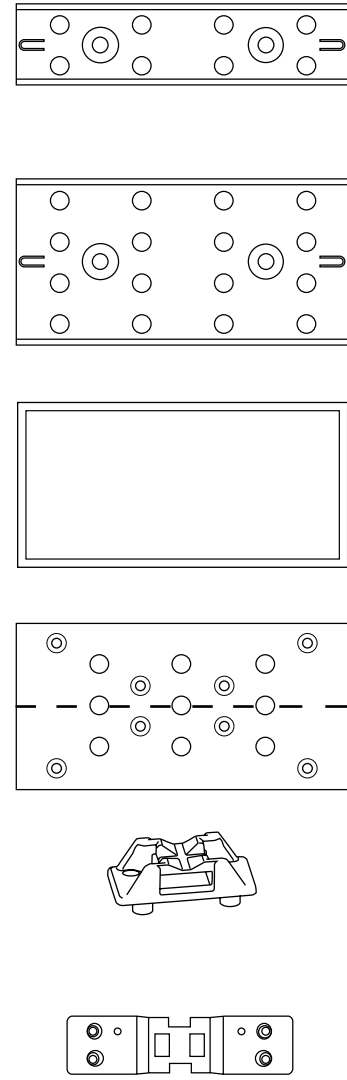
Description	Colour/Function	Item No.	
<b>Side strips 25 mm</b>	green	1703030	
	red	1703031	
	grey	1703032	
	yellow	1703033	
	black	1703034	
	orange	1703035	
	violet	1703036	
	brown	1703037	
	blue	1703038	
	white	1703039	
	<b>Side strips 50 mm</b>	green	1703040
		red	1703041
		grey	1703042
yellow		1703043	
black		1703044	
orange		1703045	
violet		1703046	
brown		1703047	
blue		1703048	
white		1703049	

Transponder (RFID)		
<b>RFID Transponder/foil</b> possible as option	self-adhesive	14513
<b>RFID Transponder</b> possible as option	self-adhesive	14507



# Fastening Technology

Description	Type (W x H)	Item No.
<b>Plate holder, black</b> suitable for inscription plate	100 mm x 25.0 mm	1703001
	100 mm x 50.0 mm	1703002
<b>Plastic cover</b> transparent		1713006
<b>Fixing plate / Connecting plate</b> for mounting on a wall using screws or adhesive	100 mm x 50 mm separable into 2 x 25 mm	1713005
<b>flix Clip</b> plastic	for mounting with tensio- nning strap or cable ties up to max. 12.5 mm width	1713004
<b>Fixing plate</b> V2A	or mounting with tensioning strap or cable ties up to max. 9.0 mm width	1713002



**Appropriate mounting material, such as tensioning straps, cable ties and more, can be found from page 79**



## FP Multi Sign for Industrial Plant Marking

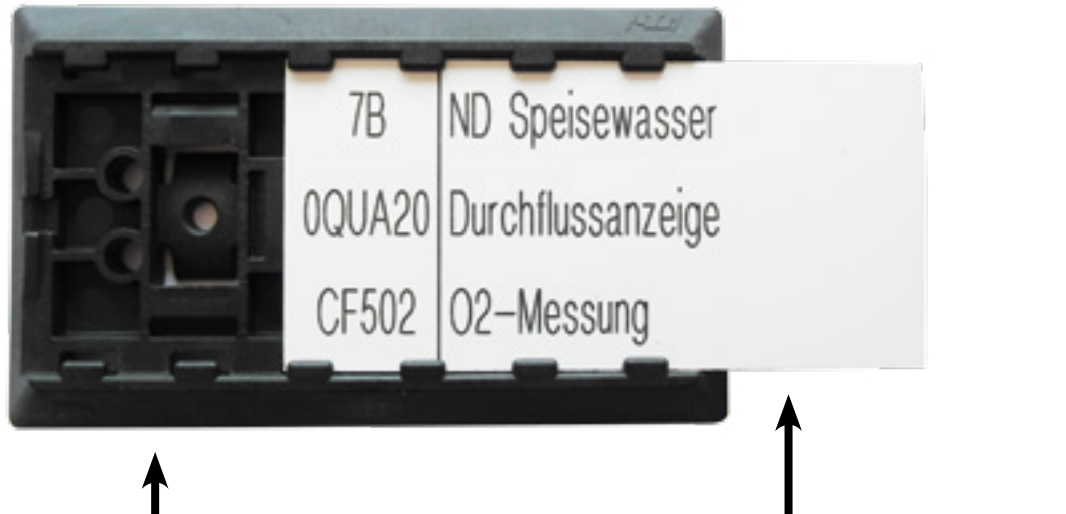
The FP Multi Sign can be used to create a particularly flexible signage system. The plate holder is made from plastic reinforced by fibre glass, whilst the inscription plates are available in a range of colour combinations. On request, we can also produce a temperature-resistant (up to 120°) version of these signs with coloured-through plastic medium indicators in accordance with DIN 2403. Another edition of the FP Multi Sign is also available as a signage solution for power stations.





# FP Multi Sign System

Sign 100 x 50 mm



**Plate holder**  
Fibre-glass-reinforced plastic, UV resistant, will not deform and weather resistant

**Inscription plate to slide in**  
Laser engraved, various colours/fonts, UV resistant and abrasion resistant



**Optional:**  
Inscription plate temperature resistant up to 120°C (150°C for a short time)

## Advantages:

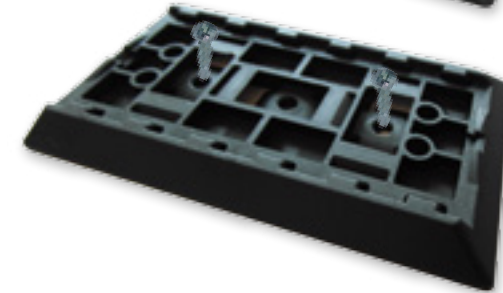
- Standard inscription plate, laser engraving weather resistant and UV resistant, temperature resistance up to approx. 90°C
- Variable fastening options
- Barcode or QR code possible
- Standard inscription plate available in a range of colours (see page 43)

# FP Multi Sign Fastening

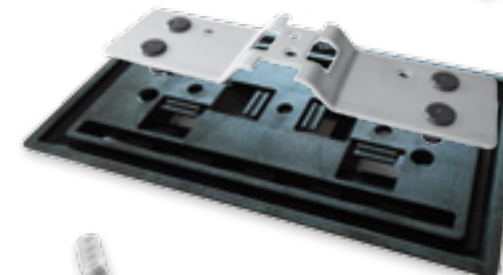
The fastening options



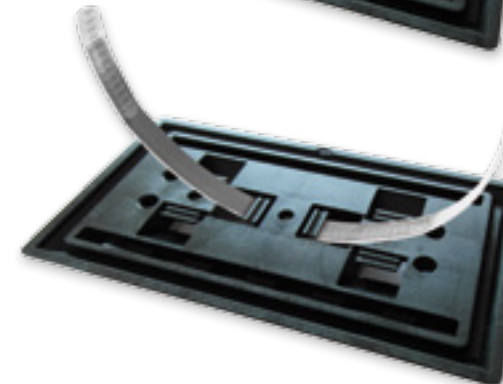
← Plate holder made from plastic to be stuck on with adhesive



← Plate holder made from plastic to attach with screws



← V2A fixing plate to clip in, for mounting with tensioning strap or cable ties



← Direct mounting with tensioning strap (plastic or steel strap)

## Options

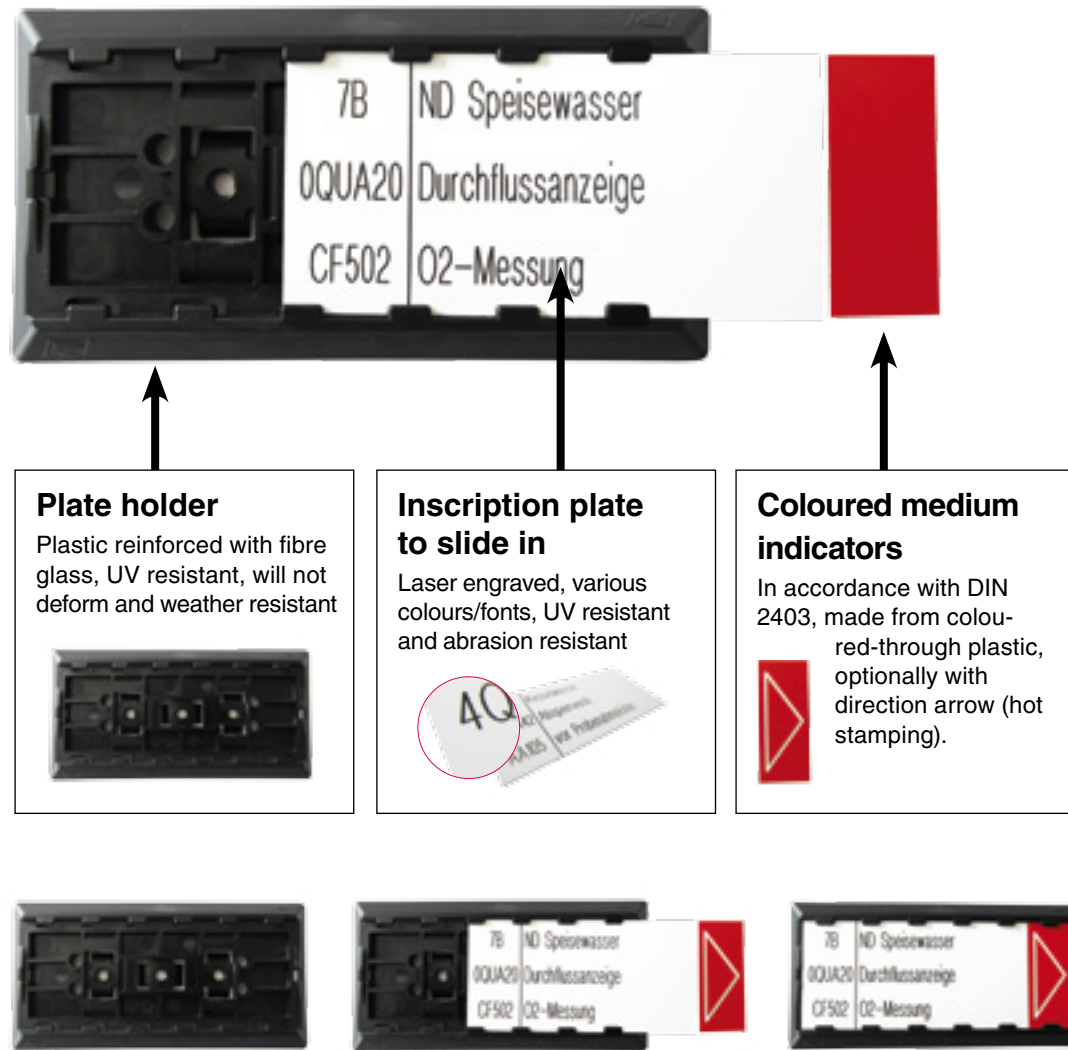
Medium indicators in accordance with DIN2403:



V2A fixing plate (Item No. 1713002)

# FP Multi Sign System

Sign 120 x 50 mm



**Plate holder**  
Plastic reinforced with fibre glass, UV resistant, will not deform and weather resistant

**Inscription plate to slide in**  
Laser engraved, various colours/fonts, UV resistant and abrasion resistant

**Coloured medium indicators**  
In accordance with DIN 2403, made from coloured-through plastic, optionally with direction arrow (hot stamping).



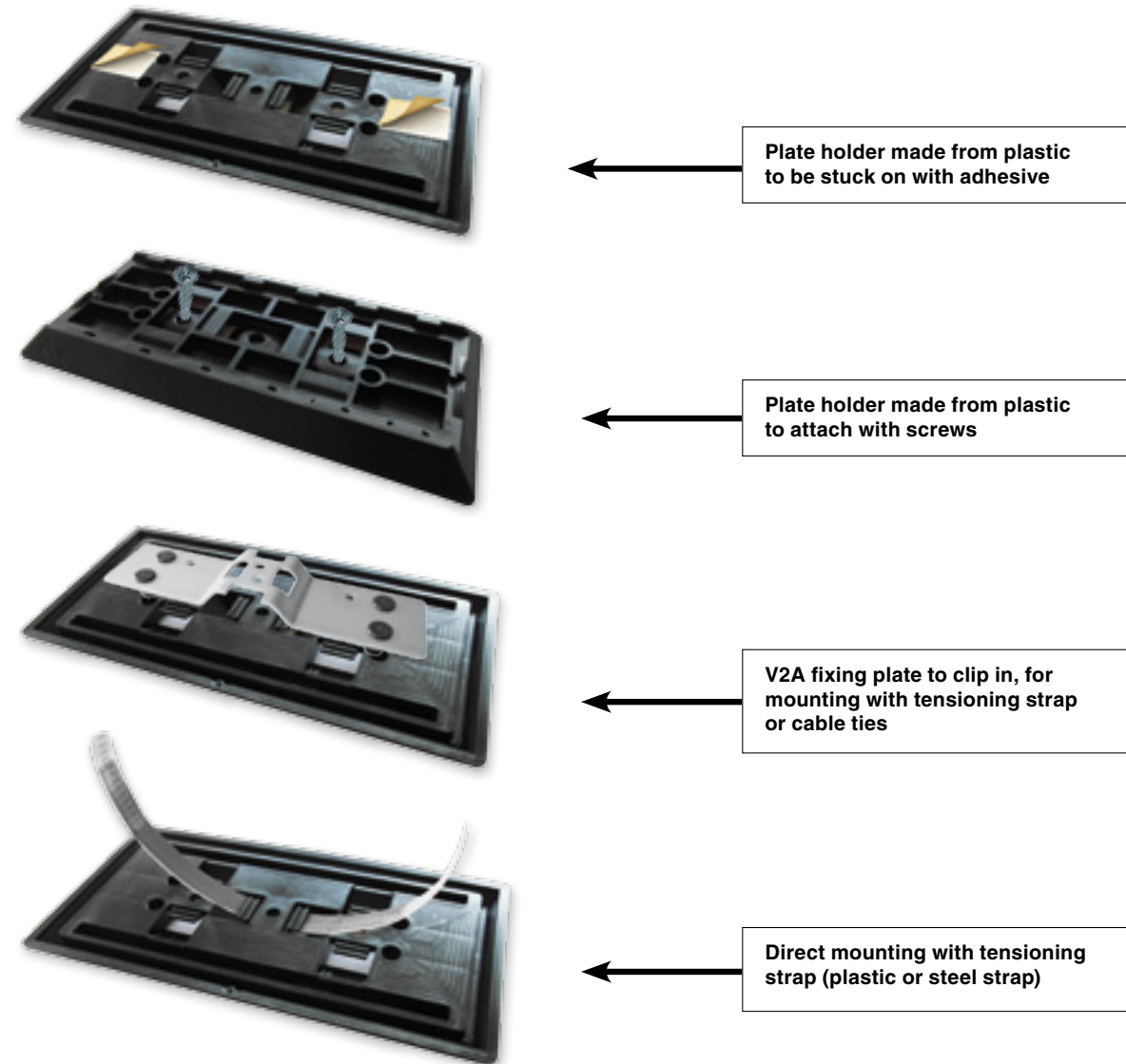
**Optional:**  
inscription plate temperature resistant up to 120°C (up to 150°C for a short time)

## Advantages:

- Standard inscription plate, laser engraved, weather resistant and UV resistant, temperature resistant up to approx. 90°C
- Various fastening options
- Barcodes and QR codes available
- Standard inscription plate available in various colours (see page 43)

# FP Multi Sign Fastening

The fastening options:



← Plate holder made from plastic to be stuck on with adhesive

← Plate holder made from plastic to attach with screws

← V2A fixing plate to clip in, for mounting with tensioning strap or cable ties

← Direct mounting with tensioning strap (plastic or steel strap)

## Options

Medium indicators in accordance with DIN2403:



V2A fixing plate (Item No. 1713002)

# FP Multi Sign System

Sign 150 x 100 mm



**Plate holder**  
Fibre-glass-reinforced plastic, UV resistant, will not deform and weather resistant

**Inscription plate to slide in**  
Laser engraved, various colours/fonts, UV resistant and abrasion resistant



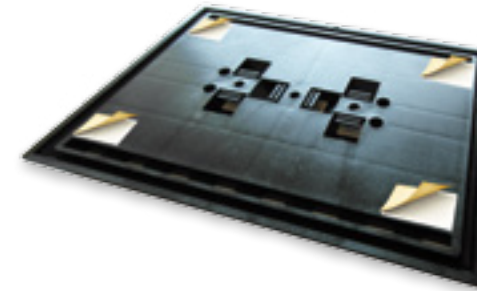
**Optional:**  
Inscription plate temperature resistant up to 120°C (150°C for a short time)

## Advantages:

- Standard inscription plate, laser engraving weather resistant and UV resistant, temperature resistance up to approx. 90°C
- Variable fastening options
- Barcode or QR code possible
- Standard inscription plate available in a range of colours (see page 43)

# FP Multi Sign Fastening

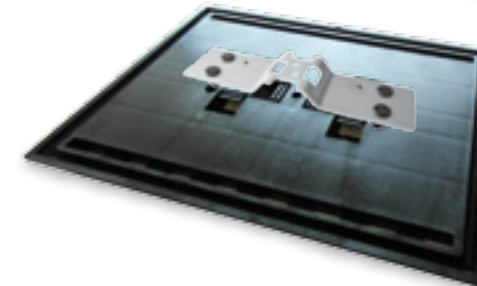
The fastening options:



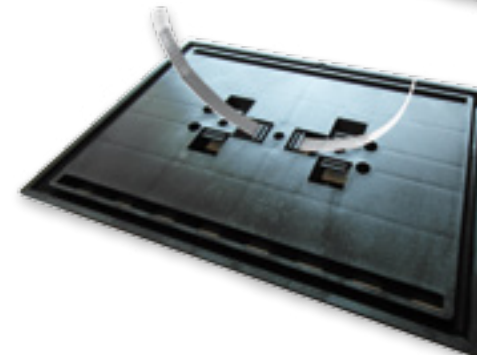
← Plate holder made from plastic to be stuck on with adhesive



← Plate holder made from plastic to attach with screws



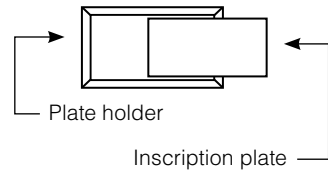
← V2A fixing plate to clip in, for mounting with tensioning strap or cable ties



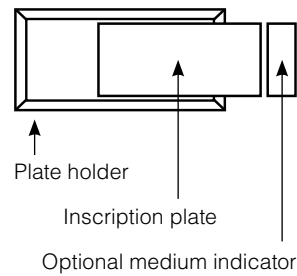
← Direct mounting with tensioning strap (plastic or steel strap)



V2A fixing plate (Item No. 1713002)



Description	Type	Item No.
<b>Multi sign</b> 100 x 50 mm <b>Complete with an inscription plate</b> (laser engraving) Temperature resistant up to approx. 90°C	black with slide-in inscription plate	1353033
<b>Plate holder</b> single 100 x 50 mm temperature resistant up to 150°C	black	1353030
<b>Inscription plate</b> single Laser engraved 100 x 47,9 mm temperature resistant up to approx. 90°C	white	1191004

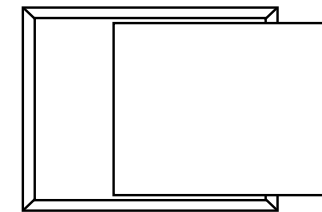


<b>Multi sign</b> 120 x 50 mm <b>Complete with an inscription plate</b> (laser engraving) temperature resistant up to approx. 90°C	black with slide-in inscription plate	1353034
<b>Plate holder</b> single 120 x 50 mm temperature resistant up to 150°C	black	1353031
<b>Inscription plate</b> single Laser engraved 120 x 47,9 mm temperature resistant up to approx. 90°C	white	1201108

**Optional**

Inscription plates are also available with temperature resistance up to 120°C (150°C for a short time)

Description	Type	Item No.
<b>Medium Indicator</b> 20 x 48 mm Temperature resistant up to 120°C (150°C for a short time)	green	1352900
	red	1352901
	grey	1352902
	yellow	1352903
	orange	1352904
	violet	1352905
	brown	1352906
	black	1352907
	blue	1352908
	white	1352909
<b>On request with hot-stamped "arrow"</b> Please specify arrow direction when ordering		99010



<b>Multi sign</b> 150 x 100 mm <b>Complete with an inscription plate</b> (laser engraved) temperature resistant up to approx. 90°C	black with slide-in inserts	1353035
<b>Plate holder</b> single 150 x 100 mm temperature resistant up to 150°C	black	1353032
<b>Inscription plate</b> single Laser engraved 150 x 100 mm temperature resistant up to approx. 90°C	white	1201106

**Fixing plate V2A**

<b>Fixing plate V2A</b> incl. snap-in fastener	for mounting strap up to 9.5 mm wide	
Single	100 mm x 25.0 mm	1713002



**Appropriate mounting material**, such as tensioning straps, cable ties and more, can be found from page 79





## FP Plastic Sign (Two-layer Material) Laser Engraving

The laser engraved plastic signs manufactured by FP excel thanks to an array of outstanding quality features. Both texts and symbols are precisely engraved from two-layer plastic using laser technology. This results in the creation of extremely hard-wearing laser engraved inscriptions that are perfectly suited to outside conditions. They are highly weather resistant and resistant to UV rays. They are also completely suitable for use in inside areas.





**Inscription Plate**

PLASTIC, LASER ENGRAVED, various colours/fonts, resistant to abrasion and UV resistant. No drill holes, for flexible application or fixed with adhesive.



**Inscription Plate**

PLASTIC, LASER ENGRAVED, features as above. With drill holes, for screwing or riveting directly into the insulation or on a mounting bracket.



**Medium Identification Marking**

Coloured medium identification marking with adhesive foil, all variations left and/or right possible.

**Laser Engraving**  
Various colours/fonts possible, resistant to abrasion and UV resistant

**Optional**  
EAN code      QR code

**Advantages:**

- coloured medium identification marking, left and/or right possible
- laser engraving is weather resistant and UV resistant
- various attachment options
- various colours available on request
- temperature resistant up to max. 90°C
- medium identification marking up to 80°C

The fastening options:



Inscription plate, fastening with double-sided adhesive tape



Inscription plate, fastening with screws or rivets



Aluminium, plastic or V2A mounting bracket with tensioning strap or cable ties

We give shape to your ideas.





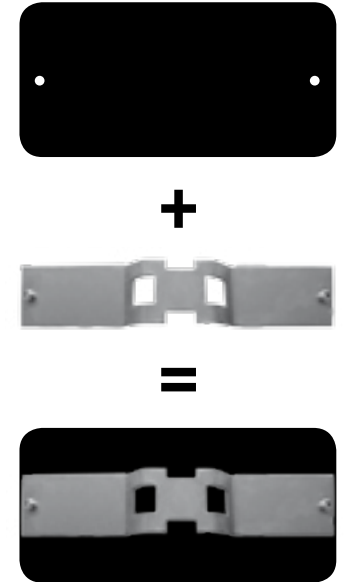
Standard colour combinations:

- A** carmine red/white
- A** orange/white
- A** yellow/black
- A** green/white
- A** azure blue/white
- A** white/black
- A** brushed silver/black
- A** medium brown/white



## Standard sign dimensions / Dimensions of appropriate fixing plates

Width	Height	22 mm	30 mm	35 mm	40 mm	42 mm	50 mm	62 mm	100 mm
60 mm	Dimensions Fixing plate	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm		
70 mm	Dimensions Fixing plate	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm		
80 mm	Dimensions Fixing plate	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm		
100 mm	Dimensions Fixing plate	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm		
110 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
120 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
130 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
140 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
150 mm	Dimensions Fixing plate			142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 49 mm



Suitable rivets	
Version	Item No.
Alu	249110
V2A	30106

## Overview of item numbers for fixing plates

Version	Dimensions of fixing plate									
	54 x 19 mm	63 x 19 mm	78 x 19 mm	97 x 19 mm	106 x 19 mm	106 x 29 mm	124 x 29 mm	124 x 49 mm	142 x 29 mm	142 x 49 mm
Alu	1800202	1800209	1800220	1800219	1800205	1800211	1800212	1800213	1800214	1800215
V2A	1800002	1800009	1800020	1800019	1800005	1800011	1800012	1800013	1800014	1800015
Distance between holes*	47	56	71	90	99	99	117	117	135	135

\* Middle of drill hole to middle of drill hole



**Appropriate mounting material**, such as tensioning straps, cable ties and more, can be found from page 79



**Plastic fixing plates available on request!**





## FP Plastic Sign (Three-layer Material) Mechanical Engraving

Mechanically engraving signs requires one of the most demanding production processes of any form of signage, but the result is an extremely durable product. During production, a rotating milling head is used to mill into the surface of the material, thus creating the required texts, symbols or numerals. The material demonstrates outstanding properties, including extremely high resistance to UV rays and any kind of scratching.





**Inscription Plate**  
 PLASTIC, MECHANICALLY ENGRAVED, various colours/ fonts, resistant to abrasion and UV resistant. No drill holes, for flexible application or fixed with adhesive.



**Inscription Plate**  
 PLASTIC, MECHANICALLY ENGRAVED, features as above. With drill holes, for screwing or riveting directly into the insulation or onto a mounting bracket.



**Medium Identification Marking**  
 Coloured medium identification marking with adhesive foil, all variations left and/or right possible.

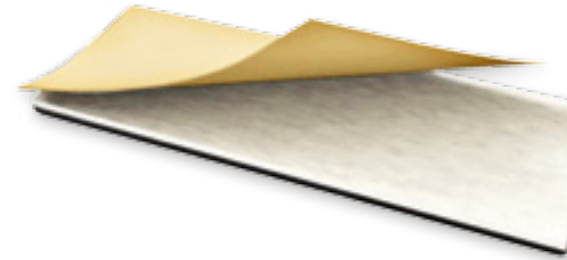
**Mechanical Engraving**  
 Various fonts possible, resistant to abrasion and UV resistant

**Advantages:**

- coloured medium identification marking, left and/or right possible
- engraving is weather resistant and UV resistant
- various attachment options

- various colours available on request
- temperature resistant up to max. 90°C
- medium identification marking up to 80°C

The fastening options:



Inscription plate, fastening with double-sided adhesive tape



Inscription plate, fastening with screws or rivets



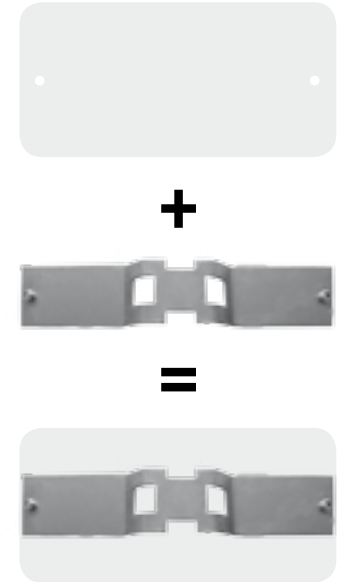
Aluminium, plastic or V2A mounting bracket with tensioning strap or cable ties

We give shape to your ideas.



**Standard sign dimensions / Dimensions of appropriate fixing plates**

Width	Height	22 mm	30 mm	35 mm	40 mm	42 mm	50 mm	62 mm	100 mm
60 mm	Dimensions Fixing plate	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm		
70 mm	Dimensions Fixing plate	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm		
80 mm	Dimensions Fixing plate	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm		
100 mm	Dimensions Fixing plate	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm		
110 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
120 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
130 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
140 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
150 mm	Dimensions Fixing plate			142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 49 mm



Suitable rivets	
Version	Item No.
Alu	249110
V2A	30106

**Overview of item numbers for fixing plates**

Version	Dimensions of fixing plate									
	54 x 19 mm	63 x 19 mm	78 x 19 mm	97 x 19 mm	106 x 19 mm	106 x 29 mm	124 x 29 mm	124 x 49 mm	142 x 29 mm	142 x 49 mm
Alu	1800202	1800209	1800220	1800219	1800205	1800211	1800212	1800213	1800214	1800215
V2A	1800002	1800009	1800020	1800019	1800005	1800011	1800012	1800013	1800014	1800015
Distance between holes*	47	56	71	90	99	99	117	117	135	135

\* Middle of drill hole to middle of drill hole



**Appropriate mounting material**, such as tensioning straps, cable ties and more, can be found from page 79



**Plastic fixing plates available on request!**

## FP Plastic Sign Printed

The printed plastic sign from FP brings together a lot of quality features, such as high resistance to UV rays and the effects of weathering, in one single sign. It is particularly well-suited to the signage of electrical plants and facilities in inside areas.







**Inscription Plate**  
PLASTIC, PRINTED, various colours/fonts, resistant to abrasion and UV resistant. No drill holes, for flexible application or fixed with adhesive.

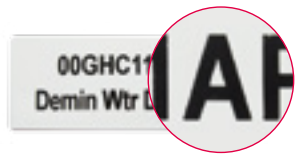


**Inscription Plate**  
PLASTIC, PRINTED, features as above. With drill holes, for screwing or riveting directly into the insulation or onto a mounting bracket.



**Medium Identification Marking**  
Coloured medium identification marking with adhesive foil, all variations left and/or right possible.

**Printed**  
Various colours/fonts possible, resistant to abrasion and UV resistant

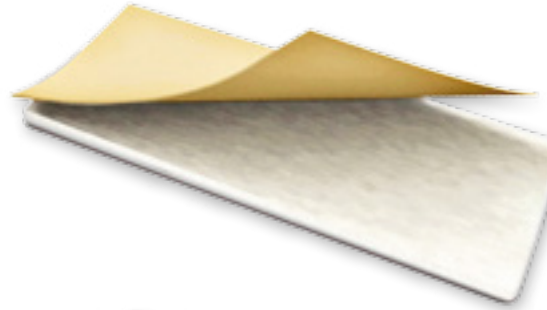


**Advantages:**

- coloured medium identification marking, left and/or right possible
- printing is UV resistant

- various attachment options
- various colours available on request
- temperature resistant up to max. 80°C

The fastening options:



Inscription plate, fastening with double-sided adhesive tape



Inscription plate, fastening with screws or rivets



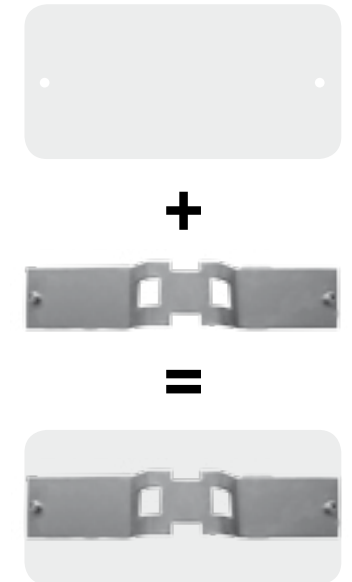
Aluminium, plastic or V2A mounting bracket with tensioning strap or cable ties

We give shape to your ideas.



## Standard sign dimensions / Dimensions of appropriate fixing plates

Width	Height	22 mm	30 mm	35 mm	40 mm	42 mm	50 mm	62 mm	100 mm
60 mm	Dimensions Fixing plate	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm		
70 mm	Dimensions Fixing plate	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm		
80 mm	Dimensions Fixing plate	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm		
100 mm	Dimensions Fixing plate	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm		
110 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
120 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
130 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
140 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
150 mm	Dimensions Fixing plate			142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 49 mm



### Suitable rivets

Version	Item No.
Alu	249110
V2A	30106

## Overview of item numbers for fixing plates

Version	Dimensions of fixing plate									
	54 x 19 mm	63 x 19 mm	78 x 19 mm	97 x 19 mm	106 x 19 mm	106 x 29 mm	124 x 29 mm	124 x 49 mm	142 x 29 mm	142 x 49 mm
Alu	1800202	1800209	1800220	1800219	1800205	1800211	1800212	1800213	1800214	1800215
V2A	1800002	1800009	1800020	1800019	1800005	1800011	1800012	1800013	1800014	1800015
Distance between holes*	47	56	71	90	99	99	117	117	135	135

\* Middle of drill hole to middle of drill hole



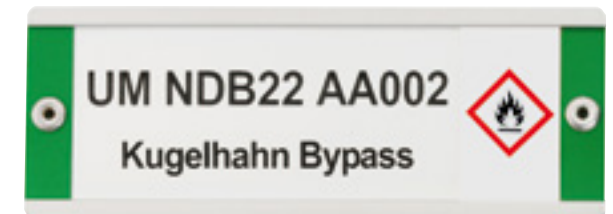
Appropriate mounting material, such as tensioning straps, cable ties and more, can be found from page 79



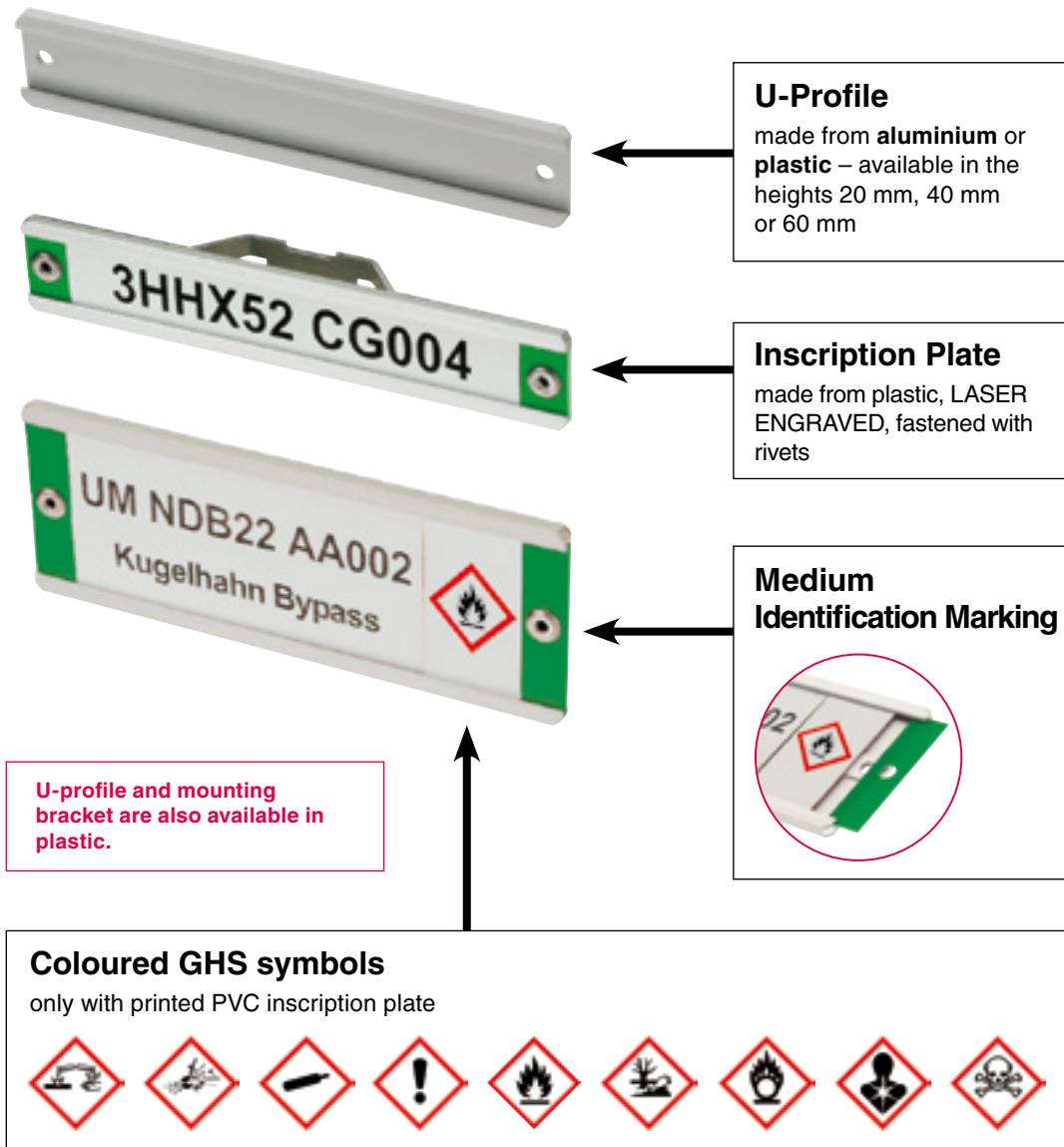


## FP Clip on Signs U-Profile

These clip-on signs have been specially developed for industrial plant and power station construction. Their outstanding qualities are a high degree of flexibility and durability. Either aluminium or plastic can be used as a material for this system. Using the coloured side strips, it is possible to make unambiguous medium identification marking in accordance with DIN 2403.



## FP-Clip-on Signs U-Profile System




**U-Profile**  
made from **aluminium** or **plastic** – available in the heights 20 mm, 40 mm or 60 mm

**Inscription Plate**  
made from plastic, LASER ENGRAVED, fastened with rivets

**Medium Identification Marking**

U-profile and mounting bracket are also available in plastic.

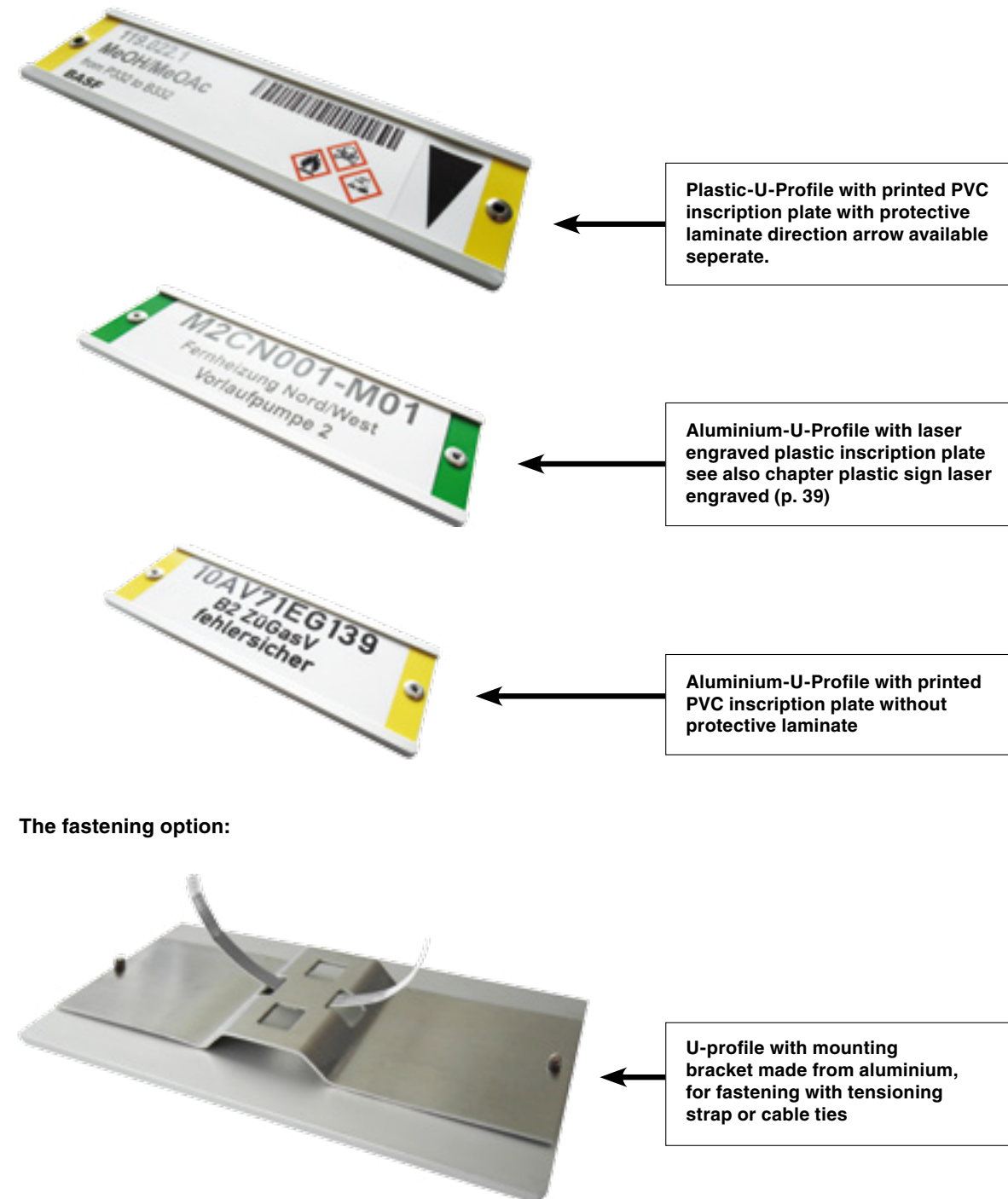
**Coloured GHS symbols**  
only with printed PVC inscription plate



### Advantages:

- Side strips according to DIN 2403
- Laser engraving is weather resistant & UV resistant
- Various colours for the inscription plate
- Barcode / QR code possible
- GHS system in accordance with customer requirements

## FP-Clip-on Signs U-Profile Variations



**Plastic-U-Profile with printed PVC inscription plate with protective laminate direction arrow available separate.**

**Aluminium-U-Profile with laser engraved plastic inscription plate see also chapter plastic sign laser engraved (p. 39)**

**Aluminium-U-Profile with printed PVC inscription plate without protective laminate**

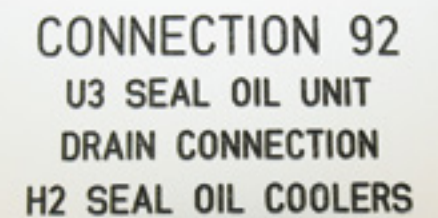

**The fastening option:**

**U-profile with mounting bracket made from aluminium, for fastening with tensioning strap or cable ties**

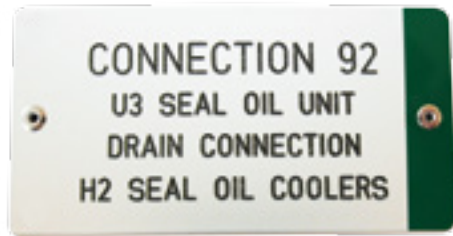
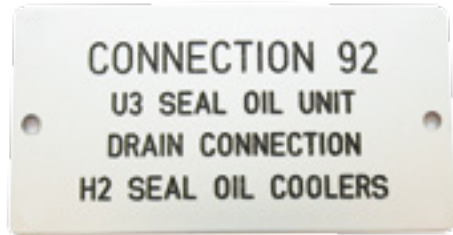
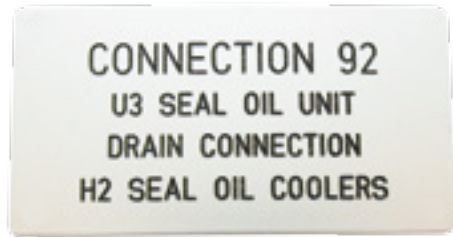


## FP Aluminium Sign Mechanical Engraving colour coated

The mechanically engraved aluminium sign, with the engravings subsequently coloured, is one of the classical options for the inscription of signs. This process results in a high level of resistance to abrasion and the effects of temperature extremes. In addition, the signs have the benefit of being resistant to UV rays and the impact of weather conditions.



CONNECTION 92  
U3 SEAL OIL UNIT  
DRAIN CONNECTION  
H2 SEAL OIL COOLERS



**Inscription Plate**  
ALUMINIUM, MECHANICALLY ENGRAVED, inscriptions engraved and colour coated, resistant to abrasion, high temperatures and UV resistant. No drill holes, for flexible application or fixed with adhesive.

**Inscription Plate**  
MECHANICALLY ENGRAVED, features as above. With drill holes, for screwing or riveting directly into the insulation or onto a mounting bracket.

**Medium Identification Marking**  
Coloured medium identification marking with adhesive foil, all variations left and/or right possible.

**Mechanical Engraving**  
Inscriptions engraved and colour coated, resistant to abrasion, UV and temperature

**Advantages:**

- coloured medium identification marking, left and/or right possible
- stable and durable inscription
- various attachment options

- for use inside or outside
- temperature resistant up to max. 150°C
- medium identification marking up to 80 °C

The fastening options:

**Inscription plate, fastening with double-sided adhesive tape**

**Inscription plate, fastening with screws or rivets**

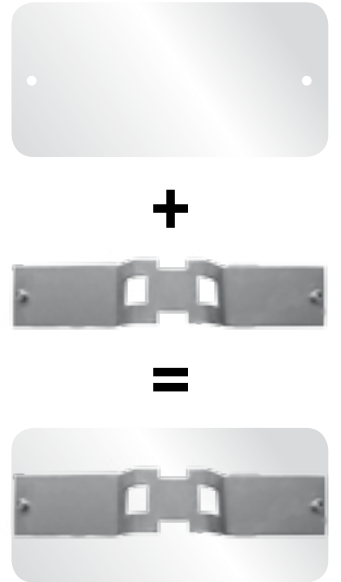
**Aluminium mounting bracket for mounting with tensioning strap or cable ties**

We give shape to your ideas.



## Standard sign dimensions / Dimensions of appropriate fixing plates

Width	Height	22 mm	30 mm	35 mm	40 mm	42 mm	50 mm	62 mm	100 mm
60 mm	Dimensions Fixing plate	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm		
70 mm	Dimensions Fixing plate	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm		
80 mm	Dimensions Fixing plate	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm		
100 mm	Dimensions Fixing plate	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm		
110 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
120 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
130 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
140 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
150 mm	Dimensions Fixing plate			142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 49 mm



Suitable rivets	
Version	Item No.
Alu	249110
V2A	30106

## Overview of item numbers for fixing plates

Version	Dimensions of fixing plate									
	54 x 19 mm	63 x 19 mm	78 x 19 mm	97 x 19 mm	106 x 19 mm	106 x 29 mm	124 x 29 mm	124 x 49 mm	142 x 29 mm	142 x 49 mm
Alu	1800202	1800209	1800220	1800219	1800205	1800211	1800212	1800213	1800214	1800215
V2A	1800002	1800009	1800020	1800019	1800005	1800011	1800012	1800013	1800014	1800015
Distance between holes*	47	56	71	90	99	99	117	117	135	135

\* Middle of drill hole to middle of drill hole



Appropriate mounting material, such as tensioning straps, cable ties and more, can be found from page 79





## FP-Aluminium Sign Printed and Stoved

The printed aluminium sign from Franken Plastik is one of the most versatile signs available. By using a special printing technique, it is possible to apply coloured texts and symbols that are then stoved in a kiln. As a result, the sign is particularly resistant to extreme temperatures, UV rays and scratching.





## FP Aluminium Sign – Printed and Stoved System



### Inscription Plate

ALUMINIUM, PRINTED & STOVED, various colours/ fonts, resistant to abrasion and UV resistant. No drill holes, for flexible application or fixed with adhesive.



### Inscription Plate

ALUMINIUM, PRINTED & STOVED, features as above. With drill holes, for screwing or riveting directly into the insulation or onto a mounting bracket.



### Medium Identification Marking

Coloured medium identification marking printed and stoved, all variations left and/or right possible.

### Printing/Stoving Process

Various colours/fonts possible, resistant to abrasion and UV resistant



### Optional

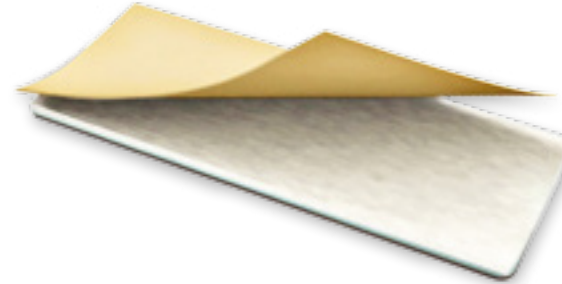


### Advantages:

- coloured medium identification marking, one-sided or two-sided possible
- printing is weather resistant and UV resistant
- various attachment options
- suitable for use inside or outside
- temperature resistant up to max. 150°C

## FP Aluminium Sign – Printed and Stoved Fastening

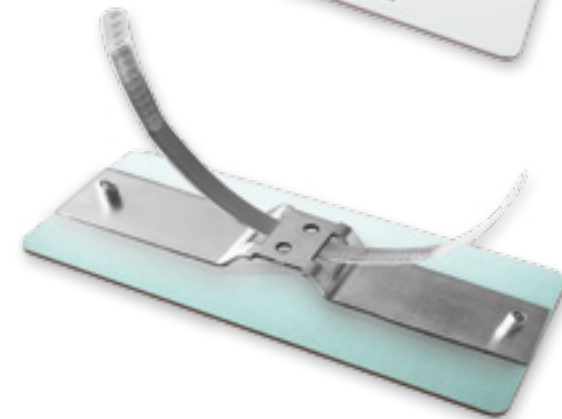
### The fastening options:



Inscription plate, fastening with double-sided adhesive tape



Inscription plate, fastening with screws or rivets



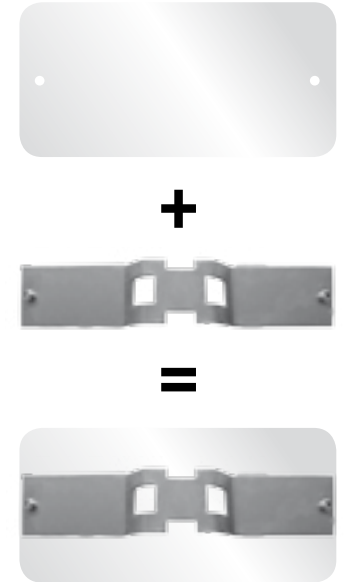
Aluminium mounting bracket for mounting with tensioning strap or cable ties

### We give shape to your ideas.



## Standard sign dimensions / Dimensions of appropriate fixing plates

Width	Height	22 mm	30 mm	35 mm	40 mm	42 mm	50 mm	62 mm	100 mm
60 mm	Dimensions Fixing plate	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm	54 x 19 mm		
70 mm	Dimensions Fixing plate	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm	63 x 19 mm		
80 mm	Dimensions Fixing plate	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm	78 x 19 mm		
100 mm	Dimensions Fixing plate	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm	97 x 19 mm		
110 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
120 mm	Dimensions Fixing plate	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 19 mm	106 x 29 mm	106 x 29 mm	
130 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
140 mm	Dimensions Fixing plate			124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 29 mm	124 x 49 mm
150 mm	Dimensions Fixing plate			142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 29 mm	142 x 49 mm



Suitable rivets	
Version	Item No.
Alu	249110
V2A	30106

## Overview of item numbers for fixing plates

Version	Dimensions of fixing plate									
	54 x 19 mm	63 x 19 mm	78 x 19 mm	97 x 19 mm	106 x 19 mm	106 x 29 mm	124 x 29 mm	124 x 49 mm	142 x 29 mm	142 x 49 mm
Alu	1800202	1800209	1800220	1800219	1800205	1800211	1800212	1800213	1800214	1800215
V2A	1800002	1800009	1800020	1800019	1800005	1800011	1800012	1800013	1800014	1800015
Distance between holes*	47	56	71	90	99	99	117	117	135	135

\* Middle of drill hole to middle of drill hole



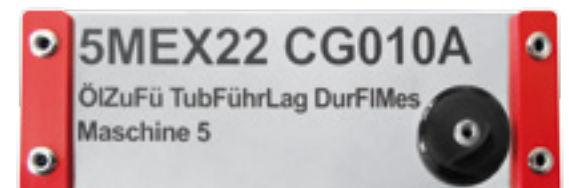
**Appropriate mounting material**, such as tensioning straps, cable ties and more, can be found from page 79



**Plastic fixing plates available on request!**

## FP-V2A Sign Laser Engraved

Extreme environments require extremely hard-wearing signage. For these areas of application, Franken Plastik uses stainless steel signs inscribed by laser. The resulting sign has an extremely durable inscription that is highly resistant to weathering and UV.



## FP V2A Sign – Laser Engraving System



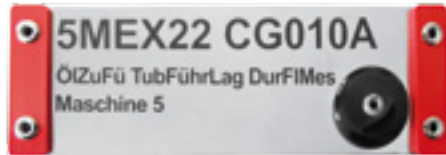
### Inscription Plate

V2A-steel, laser engraved resistant to abrasion, high temperatures and UV resistant.



### coloured medium identification marking

V2A-steel, laser engraved, features as above. With drill holes for screwing or riveting directly into the insulation or onto a mounting bracket.



### RFID-transponder

V2A-steel, laser engraved, features as above. With drill holes for screwing or riveting directly into the insulation or onto a mounting bracket.

**Laser engraving**  
various colours/fonts,  
resistant to UV and abrasion



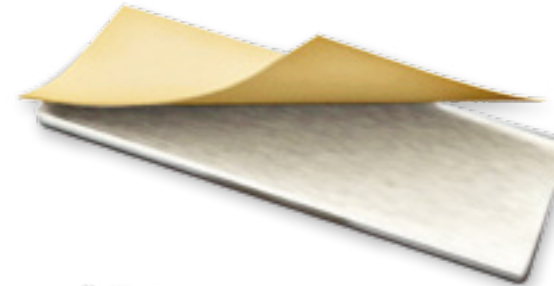
### Advantages:

- coloured medium identification marking, left and/or right possible
- various attachment options
- weather resistant and UV resistant

- suitable for use inside or outside
- temperature resistant up to max. 250°C
- medium identification marking up to 80 °C

## FP V2A Sign – Laser Engraving Fastening

The fastening options:



Inscription plate, fastening with double-sided adhesive tape

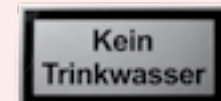
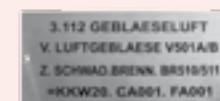


Inscription plate, fastening with screws or rivets



V2A mounting bracket for mounting with tensioning strap or cable ties

We give shape to your ideas.



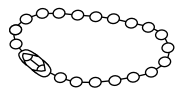
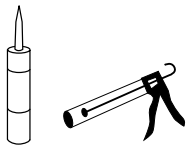
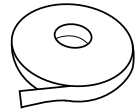
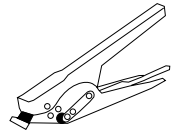
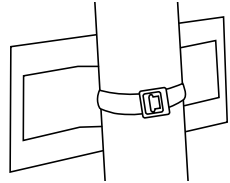
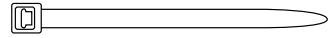




## Mounting material

Also for the mounting of signage material, for example on pipes, fittings or valves, Franken Plastik offers an extensive range of various mounting material, which will match with our signage systems. As an alternative we also offer the mounting together with our partner. More details you will find on page 97 or ask us.

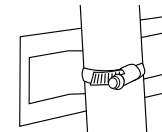
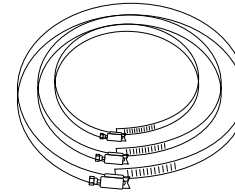
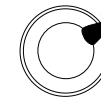
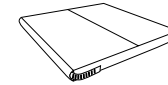




Description	Type	Item No.
<b>Cable Ties</b>		
<b>Cable Ties</b> black, UV resistant	4,8 mm wide, 290 mm long for pipe Ø to 80 mm	31017
	8,0 mm wide, 450 mm long for pipe Ø to 100 mm	31011
	9,0 mm wide, 610 mm long for pipe Ø to 177 mm	31010
	12.5 mm wide, 580 mm long for pipe Ø to 150 mm	31012
	12.5 mm wide, 1000 mm long for pipe Ø to 300 mm	31013
<b>Cable Tie Pliers</b> for fixing cable ties (up to 13 mm wide)		31020
<b>Adhesive Tape</b>		
<b>double-sided</b> roll of 25 m	white	16404
<b>Adhesive</b>		
<b>Standard</b>	cartridge 310 ml	16393
<b>fast curing</b>	cartridge 310 ml	16392
<b>Cartridge Gun</b>	for 310 ml cartridge	22823
<b>Rivets</b>		
<b>V2A-Rivets</b>	3 x 6 mm	30106
<b>Alu-Rivets</b>	3 x 8 mm	249110
<b>Bead chain</b>		
<b>material: brass</b> nickel plated, roll of 50 m		1605025
<b>Lock for bead chain</b> unit of 50 pieces		1605026

**On request**

Steel wire with plastic coating  
and aluminium alligator clip

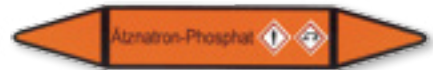


Description	Type	Item No.
<b>V2A Tensioning Straps</b>		
<b>V2A Tensioning Strap (smooth)</b> roll of 25 m in carrier	7 mm wide	16296
<b>V2A Turnbuckle</b> round head carton of 100 pieces	for strap 7 mm wide	16297
<b>V2A Tensioning Strap (shaped), with thread</b> roll of 30 m in carrier	9 mm wide	120420
<b>V2A Turnbuckle</b> hexagonal carton of 25 pieces	for strap 9 mm wide	120421-1
<b>V2A Tensioning Straps</b>		
<b>V2A Tensioning Straps</b> fastening already on tensioning strap, 9.0 mm wide, 34 different types available	<b>for pipe Ø</b> 20–32 mm 25–40 mm 32–50 mm 40–60 mm 50–70 mm 60–80 mm 70–90 mm 80–100 mm 90–110 mm 100–120 mm 110–130 mm 120–140 mm 130–150 mm 140–160 mm 150–170 mm  further sizes upon request.	120375 120377 120379 120380 120381 120382 120383 120384 120385 120386 120387 120388 120389 120390 120391
<b>Sheet-Metal Screw</b>		
<b>V2A</b>	4.2 x 16 mm	18565



## FP-Pipe Identification Marking Direction Arrows and Pipe Tapes

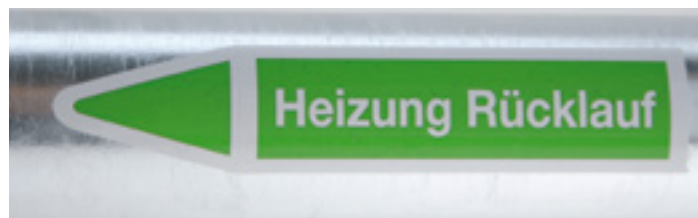
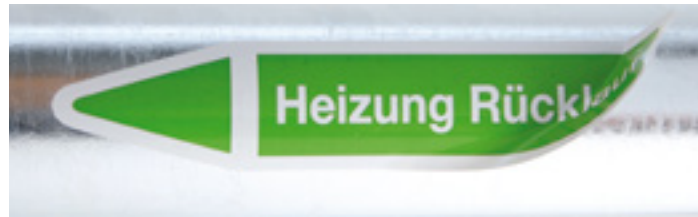
For the identification marking of the medium and flow direction of pipes in industrial plants, there are a large number of options available. They start with simple direction arrows and continue on to combined solutions (flow direction, content, coloured identification marking and hazard symbol). FP pipe identification markings are produced on high-quality foils.



## FP-Pipe Identification Marking Direction Arrow Stickers According to DIN 2403



**The self-adhesive direction arrows from FP** are produced on high-quality foils by means of screen printing, a thermal transfer process or digital printing. They have an extremely high adhesive strength. The direction arrows (left and right) can be cut to shape in accordance with the flow direction. The stickers are temperature resistant from -20°C to +90°C. The direction arrows from FP comply with the industry standard DIN 2403.



### Advantages:

- Highly adhesive and abrasion resistant
- Up to 2 hazard symbols per arrow are possible
- Durable inscription
- Resistant to temperatures from -20°C to +90°C

## FP-Pipe Identification Marking Pipe Tapes According to DIN 2403



**With FP pipe tapes**, all pipes can be clearly marked and identified. These self-adhesive tapes are produced by screen printing. They come on a roll, which means they can be deployed extremely flexibly and are ideal for any pipe diameter. The tapes have already been approved in accordance with German and international standards.

### GHS symbols













### Advantages:






- highly adhesive
- resistant to abrasion and scratching
- produced by screen printing
- suitable for outside use
- resistant to temperatures from -20°C to +90°C






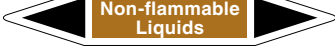

## FP-Pipe Identification Marking Direction Arrows – Stickers According to DIN 2403

Type/Size	VE	For Pipe Diameter	Item No.	Colours (DIN 2403)
<b>Coloured Arrow Without Text</b> for self-inscription colours according to customer requirements				
75 x 17 mm	15 pieces	15 – 25 mm	1802001	
126 x 26 mm	10 pieces	25 – 40 mm	1802002	
179 x 37 mm	7 pieces	40 – 60 mm	1802003	
252 x 52 mm	5 pieces	60 – 90 mm	1802004	
300 x 100 mm	1 piece	from 90 mm	1802005	
<b>Other sizes on request</b>				
				
				
				
				
				

## FP-Rohrleitungskennzeichnung Richtungspfeile Aufkleber nach DIN 2403

Type/Size	VE	For Pipe Diameter	Item No.	Colours (DIN 2403)
<b>Coloured Arrow With Text</b> texts and colours according to customer requirements				
75 x 17 mm	15 pieces	15 – 25 mm	1802101	
126 x 26 mm	10 pieces	25 – 40 mm	1802102	
179 x 37 mm	7 pieces	40 – 60 mm	1802103	
252 x 52 mm	5 pieces	60 – 90 mm	1802104	
300 x 100 mm	1 piece	from 90 mm	1802105	

Other sizes on request

## FP-Pipe Identification Marking Direction Arrows – Stickers According to DIN 2403

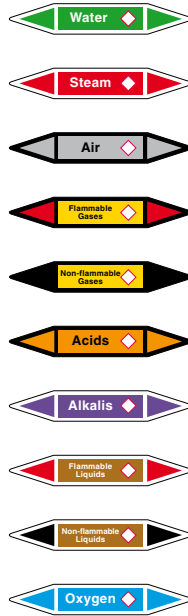
Type/Size	VE	For Pipe Diameter	Item No.	Colours (DIN 2403)
-----------	----	-------------------	----------	--------------------

### Coloured Arrow With Text and GHS Symbol,

colours, texts and  
GHS symbol  
according to customer requirements

75 x 17 mm	15 pieces	15 – 25 mm	1802201
126 x 26 mm	10 pieces	25 – 40 mm	1802202
179 x 37 mm	7 pieces	40 – 60 mm	1802203
252 x 52 mm	5 pieces	60 – 90 mm	1802204
300 x 100 mm	1 piece	from 90 mm	1802205

Other sizes on request



Type/Size	Item No.	Symbol	Description
-----------	----------	--------	-------------

### GHS Symbols

52 x 52 mm  
20 pieces per A4 sheet

other sizes on request

1802301

	<b>GHS01 Hazardous</b> "Explosives"
	<b>GHS02 Hazardous</b> "Flammables"
	<b>GHS03 Hazardous</b> "Oxidizers"
	<b>GHS04 Attention</b> "Gases Under Pressure"
	<b>GHS05 Hazardous</b> "Corrosives"
	<b>GHS06 Hazardous</b> "Acute Toxicity"
	<b>GHS07 Attention</b> "Irritant"
	<b>GHS08 Hazardous</b> "Carcinogen"
	<b>GHS09 Warning</b> "Environmental Toxicity"

## FP-Pipe Identification Marking Pipe Tapes According to DIN 2403

Type/Size	For Pipe Diameter	Item No.	Colours (DIN 2403)
-----------	-------------------	----------	--------------------

Roll of 25 m

**coloured, with direction arrow**

colours according to customer requirements

Width in mm

25		1802401
40	below DN-80	1802402
60		1802403
80	DN-80 to 160	1802404
100		1802405
120		1802406
140	DN-160 to 300	1802407
160	from DN-300	1802408



other widths on request

yellow
orange
red
violet
blue
green
grey
brown
black
white

Roll of 25 m

**coloured, with direction arrow**

colours according to customer requirements

Width in mm

25		1802501
40	below DN-80	1802502
60		1802503
80	DN-80 to 160	1802504
100		1802505
120		1802506
140	DN-160 to 300	1802507
160	from DN-300	1802508



other widths on request

yellow	→
orange	→
red	→
violet	→
blue	→
green	→
grey	→
brown	→
black	→
white	→

FP-Pipe Identification Marking  
**Pipe Tapes**  
**According to DIN 2403**



Type/Size	For Pipe Diameter	Item No.	Colours (DIN 2403)
Roll of 25 m <b>coloured, with text and direction arrow</b>			yellow →
			orange →
			red →
			violet →
			blue →
			green →
			grey →
			brown →
			black →
			white →
colours and direction according to customer requirements			
Width in mm			
40	below DN-80	1802601	
60		1802602	
80	DN-80 to 160	1802603	
100		1802604	
120		1802605	
140	DN-160 to 300	1802606	
160	from DN-300	1802607	



other widths on request

Roll of 25 m <b>coloured, with text, direction arrow and GHS symbol</b>			yellow ◊ →
			orange ◊ →
			red ◊ →
			violet ◊ →
			blue ◊ →
			green ◊ →
			grey ◊ →
			brown ◊ →
			black ◊ →
			white ◊ →
colours, text and GHS symbol according to customer requirements			
Width in mm			
60		1802701	
80	DN-80 to 160	1802702	
100		1802703	
120		1802704	
140	DN-160 to 300	1802705	
160	from DN-300	1802706	



other widths on request

FP-Pipe Identification Marking  
**Pipe Tapes**  
**According to DIN 2403**



Type/Size	Item No.	Symbol	Description
Roll of 25 m Width 50 mm	1802801		<b>GHS01 Symbol</b> "Explosives"
			<b>GHS02 Symbol</b> "Acute Toxicity"
other widths on request			<b>GHS03 Symbol</b> "Oxidizers"
Please order with your requested symbol			<b>GHS04 Symbol</b> "Gases Under Pressure"
			<b>GHS05 Symbol</b> "Corrosives"
			<b>GHS06 Symbol</b> "Acute Toxicity"
			<b>GHS07 Symbol</b> "Irritant"
			<b>GHS08 Symbol</b> "Carcinogen"
			<b>GHS09 Symbol</b> "Environmental Toxicity"

## FP-RFID Signs

Radio Frequency Identification  
for Contact-free Data Transfer

RFID technology, in combination with signage systems from Franken Plastik, facilitates contact-free reading of data, directly on site in front of the sign. That makes it easier to access relevant information that is necessary for the maintenance and repair of plants and units, pipelines and cables, networks and construction sites. Quickly and efficiently.





## FP-RFID Signs Function

### RFID Signs from Franken Plastik:

- unique identification with one serial number per transponder (RFID) issued worldwide
- temperature range up to 120°C
- transponder available up to protection class IP 67
- transponder available with rewritable memory (read / write)
- contact-free communication between transponder and read/write device
- standard frequency range 13.56 MHz (others on request, e.g. 125 kHz)
- passive technology, energy supply from reader device, no batteries required
- memory capacity 112 characters standard (up to 1000 characters possible)
- robust, long lifetime, weather resistant
- deployment options: maintenance, repair, logistics, access controls, measuring point marking, identification



RFID technology and the FP Memo System facilitate IT-based, mobile maintenance and repair for plants and units, pipelines and cables, networks and construction sites.

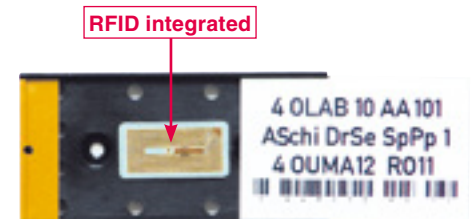
## FP-RFID Signs Function



FP-Thermo-UV Sign



FP-V2A Sign



FP-flix System



FP-Clip System



## FP-Service Projects, Production, Installation Logistics

No matter what kind of sign you decide for, we offer you our experience and competencies to provide you with a perfect solution to implement your project. In fact, we will be glad to take on responsibility for the installation logistics of your signage. The focus of our activities is on our customers, the safety and the protection of our environment. To show just how much this means to us, we have successfully undergone both, the TÜV ISO 9001 certification and the SCC\*\* certification.



ISO 9001



SCC\*\*



We are at our customers' side starting from the production, project planning and installation logistics up to completion as a reliable and competent partner.

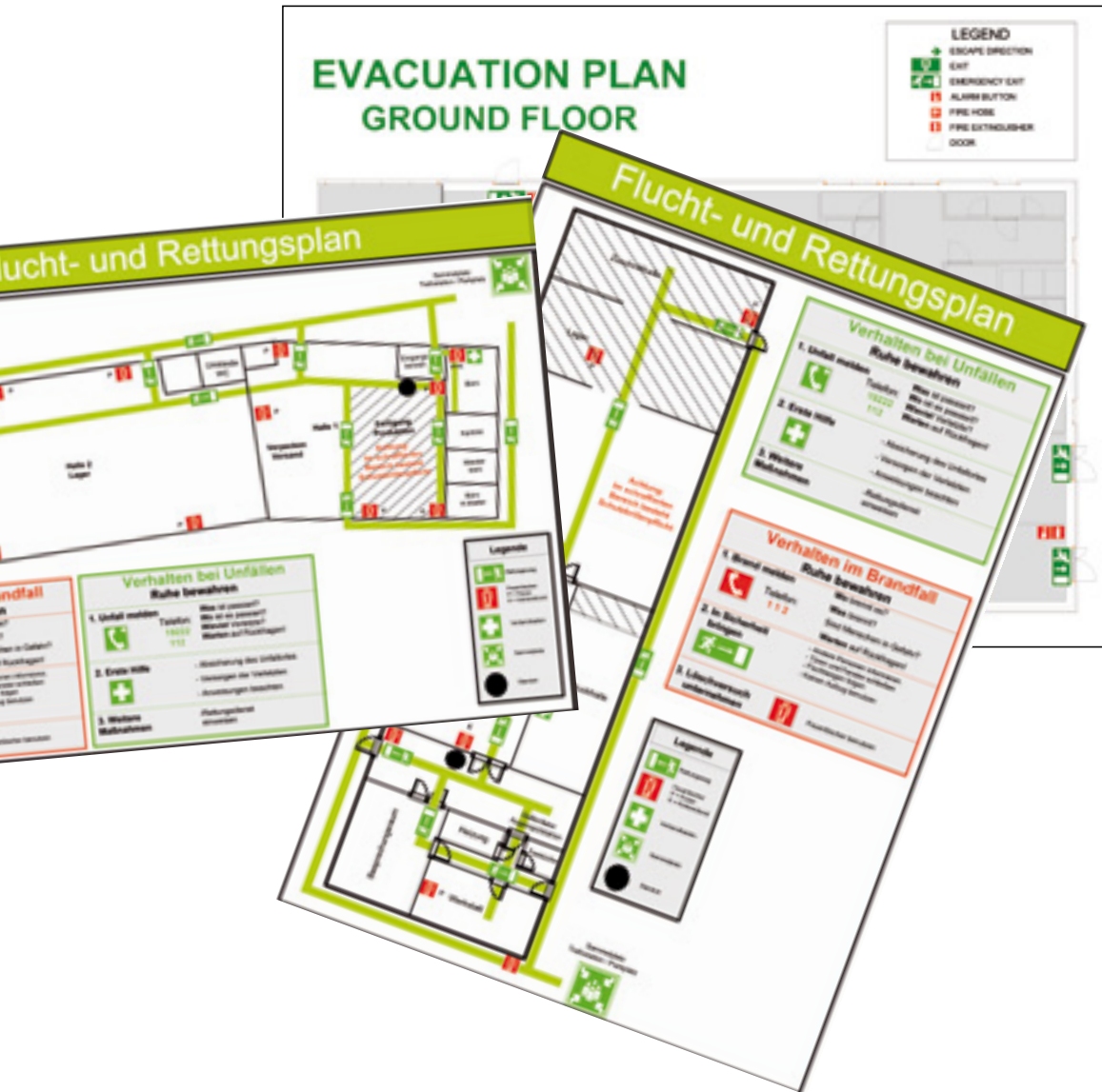
**Exemplary Project Process**

- ▶ **Customer Enquiry**
- ▶ **Project Planning**
- ▶ **Execution Phase including installation logistics**
- ▶ **Final Customer Acceptance**





## Production and Installation Logistics



**FP-References**  
Start-up, Engineering, Production  
and Installation Logistics



## Selected References

- power plants Munich / N-ERGIE Biomasse Heizkraftwerk Nürnberg Sandreuth
- BASF / Chemiepark Ludwigshafen
- Chemiepark Burghausen
- Chemiepark Nünchritz
- Siemens AG / VERBUND-Austrian Thermal Power GmbH & Co KG - Fernheizkraftwerk Wildon Austria
- Siemens AG / Siat Braun Urmatt-France
- EnBW Kraftwerke / Stuttgart various power stations
- Siemens AG / IHI Corporation - Trianel Steinkohlekraftwerk / Lünen
- Zeppelin Power Systems / VVS Bushof Saarbrücken and Stadtwerke Detmold



## Selected References

- TGM Kanis Turbinen GmbH / GBE gocher Bioenergie GmbH Goch
- Vattenfall Europe Generation AG & Co KG
- Siemens AG / Kraftwerk Gent / Belgium
- Hitachi Power Europe GmbH / Kraftwerk Gent / Belgium
- Siemens AG / Kraftwerk Enecogen / the Netherlands
- Siemens s.a - n.v / Kraftwerk T-Power Tessenderlo / Belgium
- Pulp mill Blankenstein
- E-ON Avacon / distribution station - power station



# Selected References



and many others ...



## FP-Foil Stickers

The foil sticker is one of the most flexible signage options. At FP they are produced using various different production processes, depending on their area of application. We produce exactly to your specifications, whether monotone or multi-coloured, large or small.





### Screen Printed Foil

- **max. height:** 300 mm
- **max. width:** 420 mm
- other dimensions on request

- **Deployment Areas:**  
inside and outside

FP foil stickers, which are produced in a screen printing process, have a very thick colour coating and are, therefore, extremely resistant to weathering and UV light. They are particularly suitable for outside areas. Optionally available with additional protective laminate.



### Digitally Printed Foil

- **max. height:** 300 mm
- **max. width:** 1.200 mm
- other dimensions on request

- **Deployment Areas:**  
mainly for inside use

Digital printing results in a very thick colour coating that makes the foil stickers extremely resistant to weathering and UV light. Barcodes, QR codes and serial numbers can all be applied using this technique. Optionally available with additional protective laminate.



### Thermal Transfer Print Foil

- **max. height:** 300 mm
- **max. width:** 5.000 mm
- other dimensions on request

- **Deployment Areas:**  
inside and outside

With thermal transfer printing, the colour is melted on to the surface below, thus forming an extremely strong bond with the foil. This results in optimal adhesion of the colour. Barcodes, QR codes and serial numbers can all be applied using this technique. Optionally available with protective laminate.



### Plotter Foil

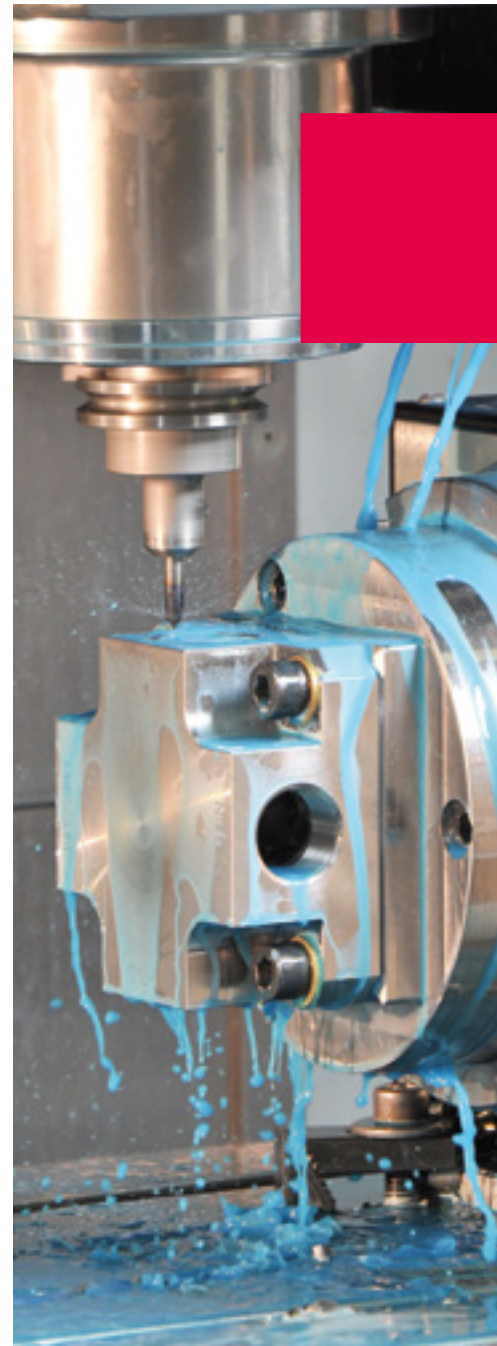
- **max. height:** 300 mm
- **max. width:** 1.200 mm
- other dimensions on request

- **Deployment Areas:**  
inside and outside

Using the plotting process, individual letters, words and other symbols can be cut out precisely from a high quality foil and then transferred to a substrate. This can then be applied to various different base materials.







## FP-Type Plates

Franken Plastik manufactures type plates for many different application areas. Thermal exposure, indoor or outdoor usage, unicolored or multicolored, small or big, to be bolted, riveted or glued – you give us your layout and we produce them in accordance with your requirements.



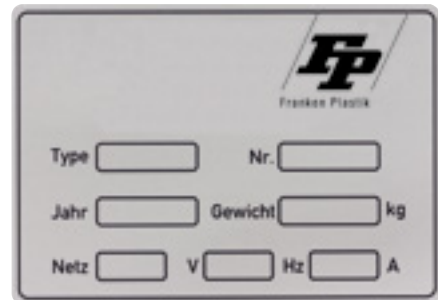


FP-Type Plates  
Individual Systems



**V2A-Sign Laser Engraving**

- max. height: 800 mm
- max. width: 600 mm
- other sizes upon request



**V2A-Sign Screen Printing**

- max. height: 420 mm
- max. width: 300 mm
- other sizes upon request



**Aluminium Sign Mechanical Engraving with embedded color**

- max. height: 700 mm
- max. width: 370 mm
- other sizes upon request



**Aluminium Sign Laser Engraving**

- max. height: 800 mm
- max. width: 500 mm
- other sizes and colors upon request

FP-Type Plates  
Individual Systems



**Aluminium Sign Screen Printing**

- max. height: 420 mm
- max. width: 306 mm
- other sizes upon request



**Aluminium Sign printed and baked**

- max. height: 500 mm
- max. width: 306 mm
- other sizes upon request



**Plastic Sign Laser Engraving**

- max. height: 600 mm
- max. width: 400 mm
- other sizes upon request



**Plastic Sign Screen Printing**

- max. height: 420 mm
- max. width: 300 mm
- other sizes upon request



**Plastic Sign  
Mechanical Engraving**

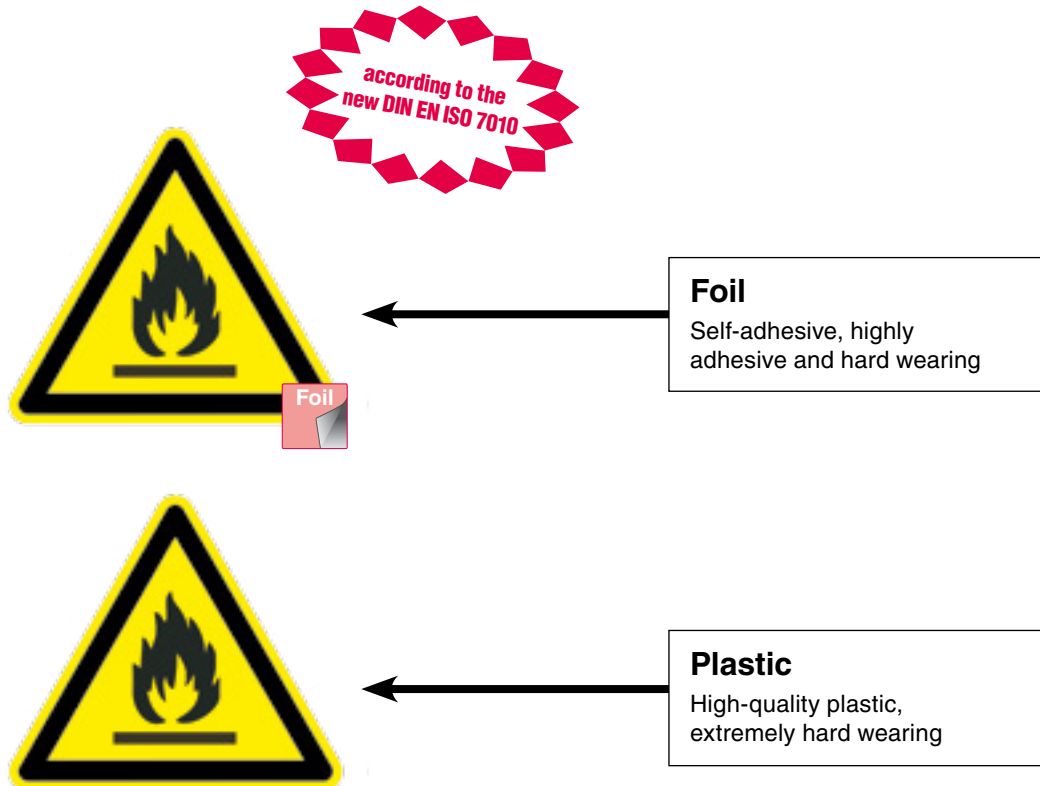
- max. height: 800 mm
- max. width: 600 mm
- other sizes upon request












## FP-Safety and Hazard Identification Marking

One of the most important tasks of properly designed signage and inscriptions is the protection and safety of people and property on business premises and in buildings. It's no surprise that there are numerous regulations to ensure safety at work and hazard identification marking. FP has an extensive range of solutions with a multitude of different options: plastic signs, foil stickers and various types of luminous signage.





The reworked ASR A1.3 safety and hazard identification marking regulations came into force in the 1st quarter of 2013. They include the symbols from **DIN EN ISO 7010**, which were published in October 2012. **BGV A8 will no longer be valid** once the new ASR A1.3 has been published. We recommend signage in accordance with the new ASR A1.3. Please do not use signs with differing standards, as there is sometimes considerable variance between the various symbols.

Description	Size
 Warning – Highly Flammable	200 mm side length
 Warning – Explosives	200 mm side length
 Warning – Toxic Substances	200 mm side length
 Warning – Corrosive Substances	200 mm side length
 Warning – High Voltage	200 mm side length
 Warning – Dangerous Area	200 mm side length
 Danger – Explosive Atmosphere	200 mm side length
 Warning – Hot Ground	200 mm side length
 Warning – Slippery Floor	200 mm side length



More materials, other symbols and other dimensions available on request!



**Foil**  
 self-adhesive, highly adhesive and hard wearing



**Plastic Sign**  
 high quality plastic, extremely hard wearing

The **Global Harmonisation System (GHS)** for the classification and identification marking of chemicals was established by the United Nations as the basis for a worldwide standardisation of existing national systems.

Since 1st December 2010 it has been mandatory to classify and label substances and since 1st June 2015 mixtures in accordance with GHS/CLP (**C**lassification, **L**abelling and **P**ackaging of Substances and Mixtures). The regulation will come into force for mixtures on 1st June 2015.

Description	Size
-------------	------



**GHS01 symbol**  
 "Explosives" 105 x 105 mm



**GHS02 symbol**  
 "Flammables" 105 x 105 mm



**GHS03 symbol**  
 "Oxidizers" 105 x 105 mm



**GHS04 symbol**  
 "Gases Under Pressure" 105 x 105 mm



**GHS05 symbol**  
 "Corrosives" 105 x 105 mm



**GHS06 symbol**  
 "Acute Toxicity" 105 x 105 mm



**GHS07 symbol**  
 "Irritant" 105 x 105 mm



**GHS08 symbol**  
 "Carcinogen" 105 x 105 mm

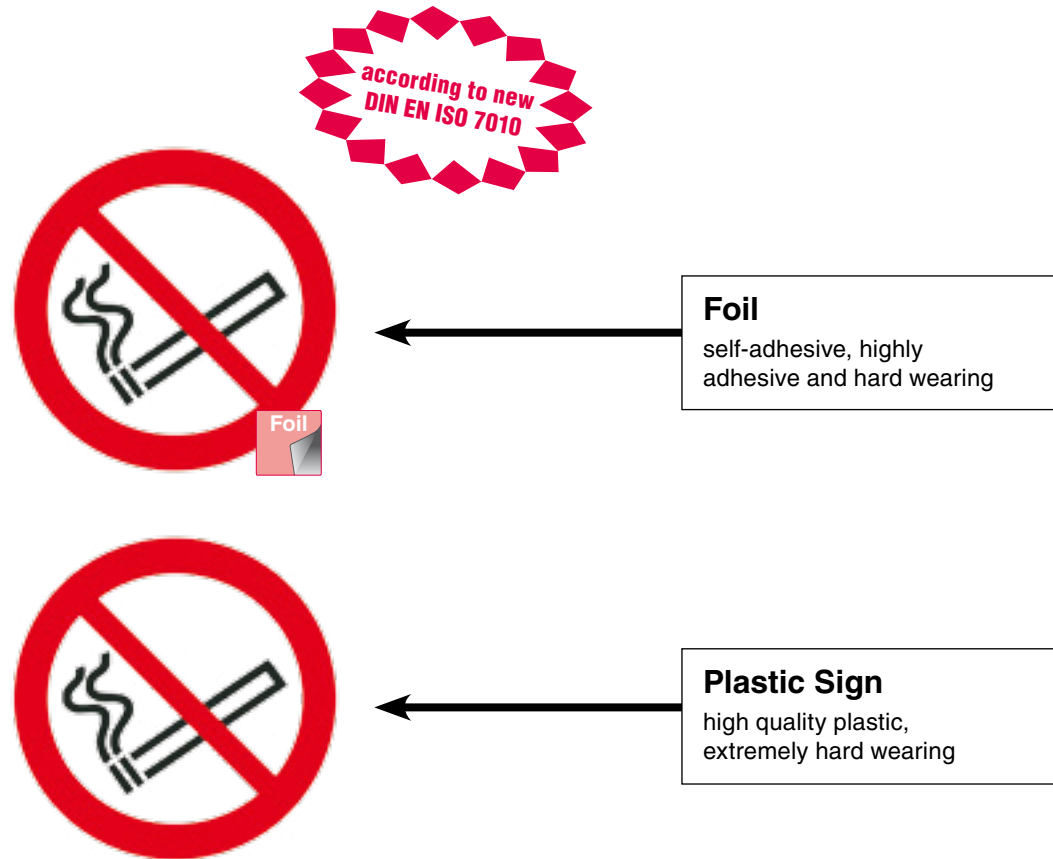


**GHS09 symbol**  
 "Environmental Toxicity" 105 x 105 mm



**More materials, other symbols and other dimensions available on request!**



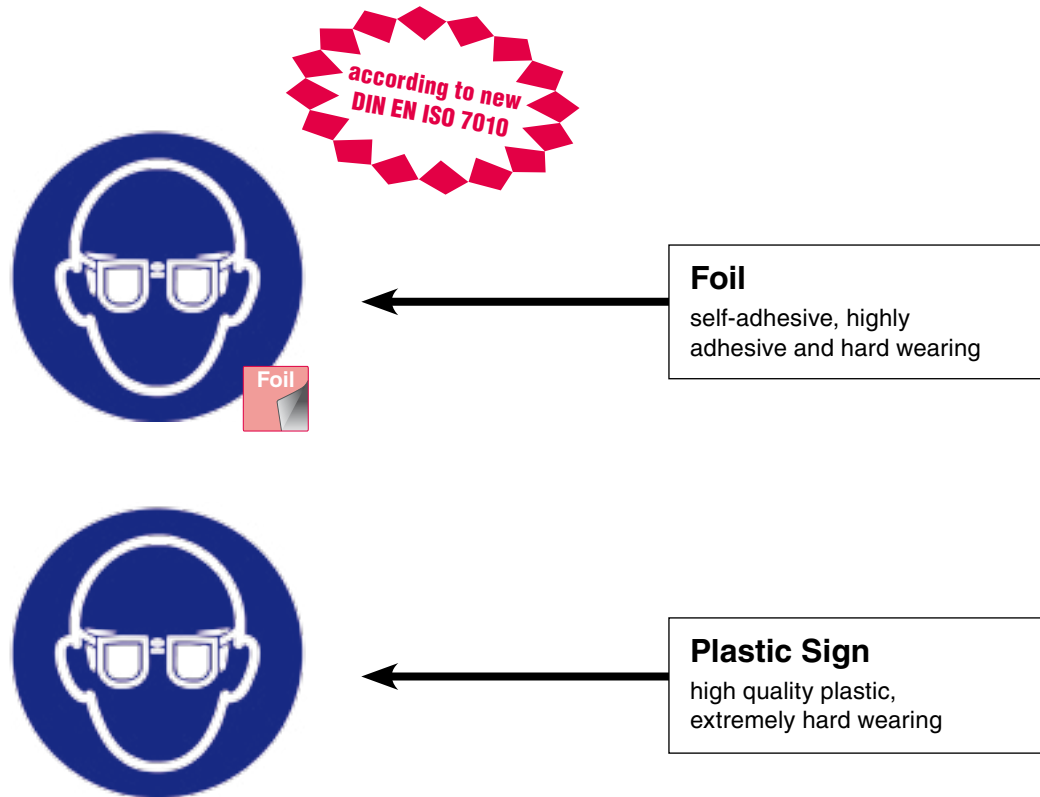


The reworked ASR A1.3 safety and hazard identification marking regulations came into force in the 1st quarter of 2013. They include the symbols from **DIN EN ISO 7010**, which were published in October 2012. **BGV A8 will no longer be valid** once the new ASR A1.3 has been published. We recommend signage in accordance with the new ASR A1.3. Please do not use signs with differing standards, as there is sometimes considerable variance between the various symbols.

Description	Size
no smoking	200 mm diameter
no fires, no open flames	200 mm diameter
no pedestrians	200 mm diameter
no drinking water	200 mm diameter
no unauthorized entry	200 mm diameter
no storage	200 mm diameter
no mobile phones	200 mm diameter
do not enter	200 mm diameter
do not switch	200 mm diameter



More materials, other symbols  
and other dimensions  
available on request!



The reworked ASR A1.3 safety and hazard identification marking regulations came into force in the 1st quarter of 2013. They include the symbols from **DIN EN ISO 7010**, which were published in October 2012. **BGV A8 will no longer be valid** once the new ASR A1.3 has been published. We recommend signage in accordance with the new ASR A1.3. Please do not use signs with differing standards, as there is sometimes considerable variance between the various symbols.



Description	Size
eye protection	200 mm diameter
head protection	200 mm diameter
hearing protection	200 mm diameter
breathing protection	200 mm diameter
foot protection	200 mm diameter
hand protection	200 mm diameter
coveralls	200 mm diameter
face protection	200 mm diameter
to use handrail	200 mm diameter



More materials, other symbols and other dimensions available on request!













**Foil**  
 self-adhesive, highly adhesive and hard wearing



**Plastic Sign**  
 high quality plastic, extremely hard wearing

Fire protection signs in accordance with DIN 4066

	Description	Size
	fire alarm	297 x 105 mm
	fire door	297 x 105 mm
	BMZ	297 x 105 mm
	SPZ	297 x 105 mm
	SPZ left	297 x 105 mm
	SPZ right	297 x 105 mm
	In case of fire, do not use lift	297 x 105 mm
	water for fire fighting	297 x 105 mm
	suction point	297 x 105 mm
	emergency access road	297 x 105 mm

**ON REQUEST**

More materials, other symbols and other dimensions available on request!



**Foil**  
 self-adhesive, highly adhesive and hard wearing



**Plastic Sign**  
 high quality plastic, extremely hard wearing



**Foil, Plastic Sign, Long Lasting Luminous**  
 high quality plastic, extremely hard wearing, exceeds the required values according to DIN67510

The reworked ASR A1.3 safety and hazard identification marking regulations came into force in the 1st quarter of 2013. They include the symbols from **DIN EN ISO 7010**, which were published in October 2012. **BGV A8 will no longer be valid** once the new ASR A1.3 has been published. We recommend signage in accordance with the new ASR A1.3. Please do not use signs with differing standards, as there is sometimes considerable variance between the various symbols.

Description	Size
-------------	------



**fire hose** 200 x 200 mm



**ladder** 200 x 200 mm



**fire extinguisher** 200 x 200 mm



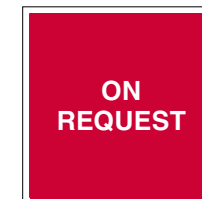
**emergency telephone** 200 x 200 mm



**fire alarm** 200 x 200 mm



**fire equipment** 200 x 200 mm



**More materials, other symbols and other dimensions available on request!**





**Foil**  
self-adhesive, highly adhesive and hard wearing



**Plastic Sign**  
high quality plastic, extremely hard wearing

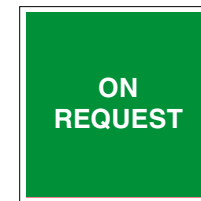


**Foil, Plastic Sign, Long Lasting Luminous**  
high quality plastic, extremely hard wearing, exceeds the required values according to DIN67510

The reworked ASR A1.3 safety and hazard identification marking regulations came into force in the 1st quarter of 2013. They include the symbols from **DIN EN ISO 7010**, which were published in October 2012. **BGV A8 will no longer be valid** once the new ASR A1.3 has been published. We recommend signage in accordance with the new ASR A1.3. Please do not use signs with differing standards, as there is sometimes considerable variance between the various symbols.



Description	Size
first aid	200 x 200 mm
doctor	200 x 200 mm
emergency telephone	200 x 200 mm
stretcher	200 x 200 mm
meeting point	200 x 200 mm
emergency shower	200 x 200 mm
eye wash	200 x 200 mm



**More materials, other symbols and other dimensions available on request!**

**according to new  
DIN EN ISO 7010**

**Foil**  
self-adhesive, highly adhesive and hard wearing

**Plastic Sign**  
high quality plastic, extremely hard wearing

**Foil, Plastic Sign,  
Long Lasting Luminous**  
high quality plastic, extremely hard wearing, exceeds the required values according to DIN67510

The reworked ASR A1.3 safety and hazard identification marking regulations came into force in the 1st quarter of 2013. They include the symbols from **DIN EN ISO 7010**, which were published in October 2012. **BGV A8 will no longer be valid** once the new ASR A1.3 has been published. We recommend signage in accordance with the new ASR A1.3. Please do not use signs with differing standards, as there is sometimes considerable variance between the various symbols.

Description	Size
emergency exit	400 x 200 mm
escape route left	400 x 200 mm
escape route right	400 x 200 mm
escape route downstairs right	400 x 200 mm
escape route upstairs right	400 x 200 mm
escape route downstairs left	400 x 200 mm
escape route upstairs left	400 x 200 mm

**ON  
REQUEST**

**More materials, other symbols  
and other dimensions  
available on request!**

## FP-Multi-Sign for Power stations

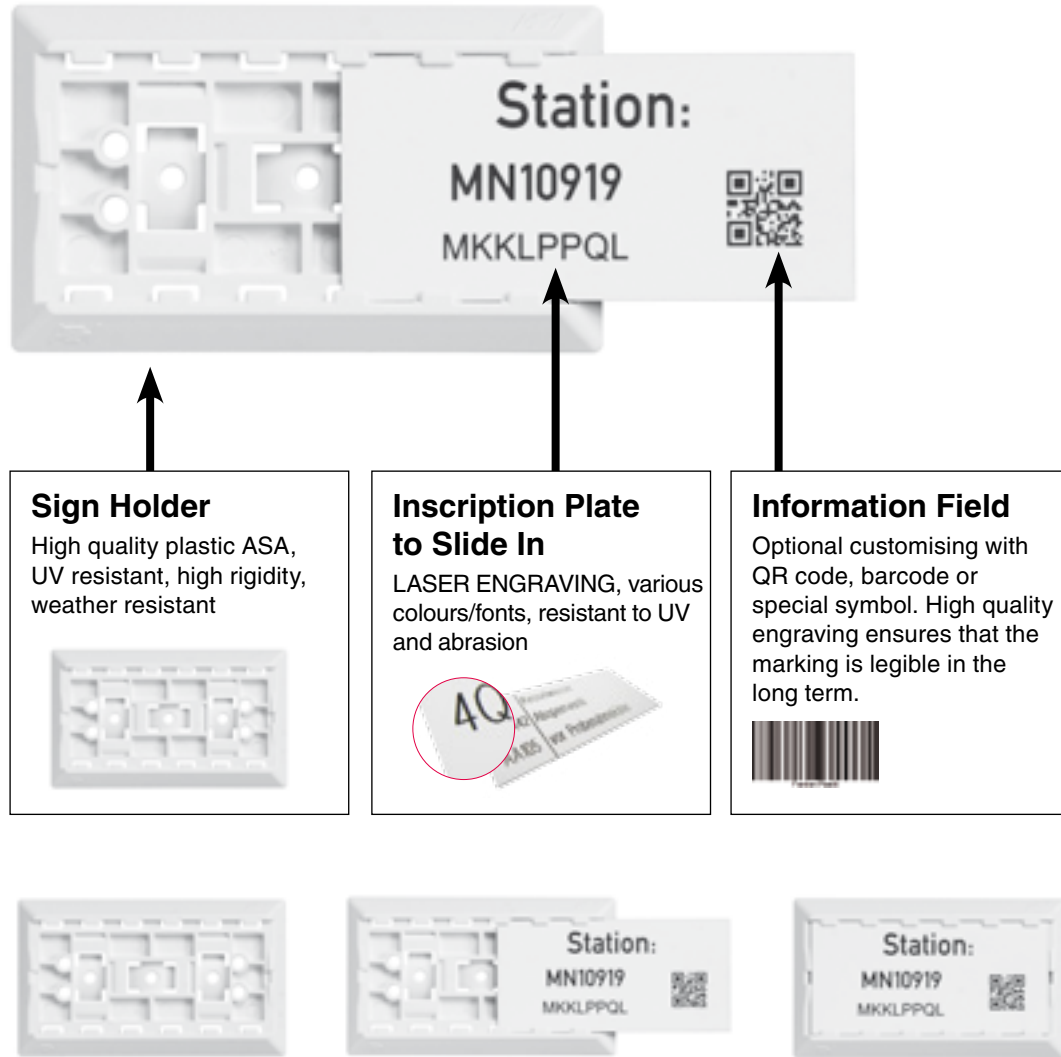
The FP Multi Sign system is a completely new generation of signs. Developed in close cooperation with our customers in the energy sector, the system is extremely flexible and versatile in its deployment. The sign holder is manufactured from tried and tested ASA material, and the inscription plate is also made from a special kind of plastic. Laser engraving makes the identification marking extremely durable. The FP system includes a whole range of fastening options for you to choose from.



# FP-Multi-Sign System



Sign 100 x 50 mm



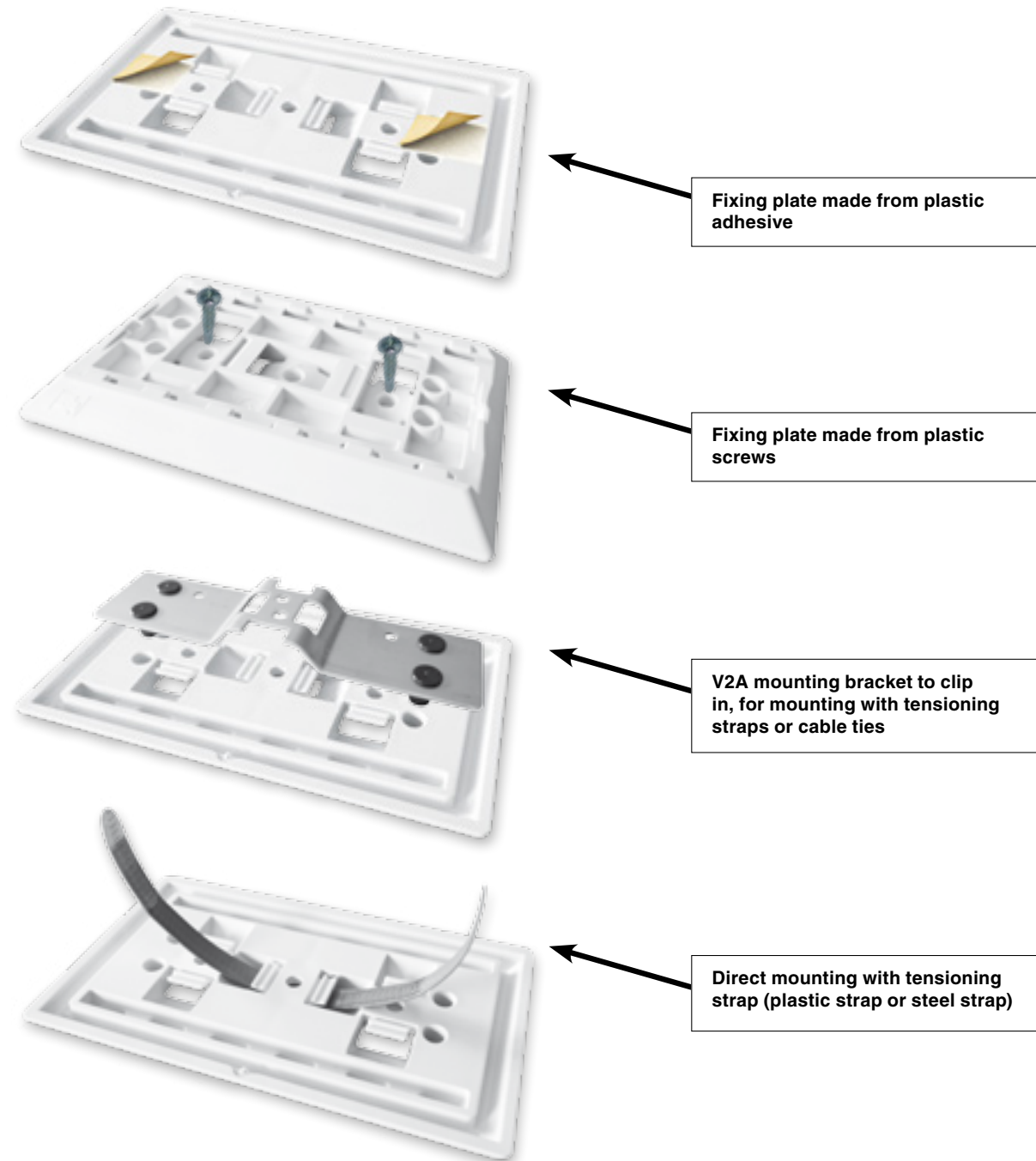
## Advantages:

- laser engraving, weather resistant & UV resistant
- barcode or QR code possible
- various fastening options
- inscription plate in various colours

# FP-Multi-Sign Fastening



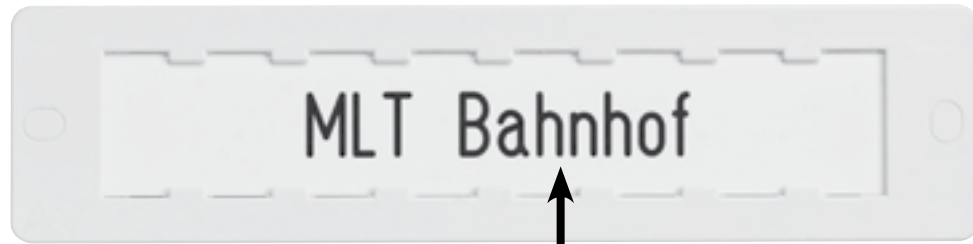
The fastening options:





**FP-Multi-Sign  
System**


Sign 200 x 50 mm




**Sign Holder**  
High quality plastic ASA,  
UV resistant, high rigidity,  
weather resistant



**Inscription Plate  
to Slide In**  
LASER ENGRAVING,  
various colours/fonts,  
resistant to UV and abrasion



**Optional**  
Optional customising  
with QR code, barcode  
or special symbol. High  
quality engraving ensur-  
es that the marking is  
legible in the long term.

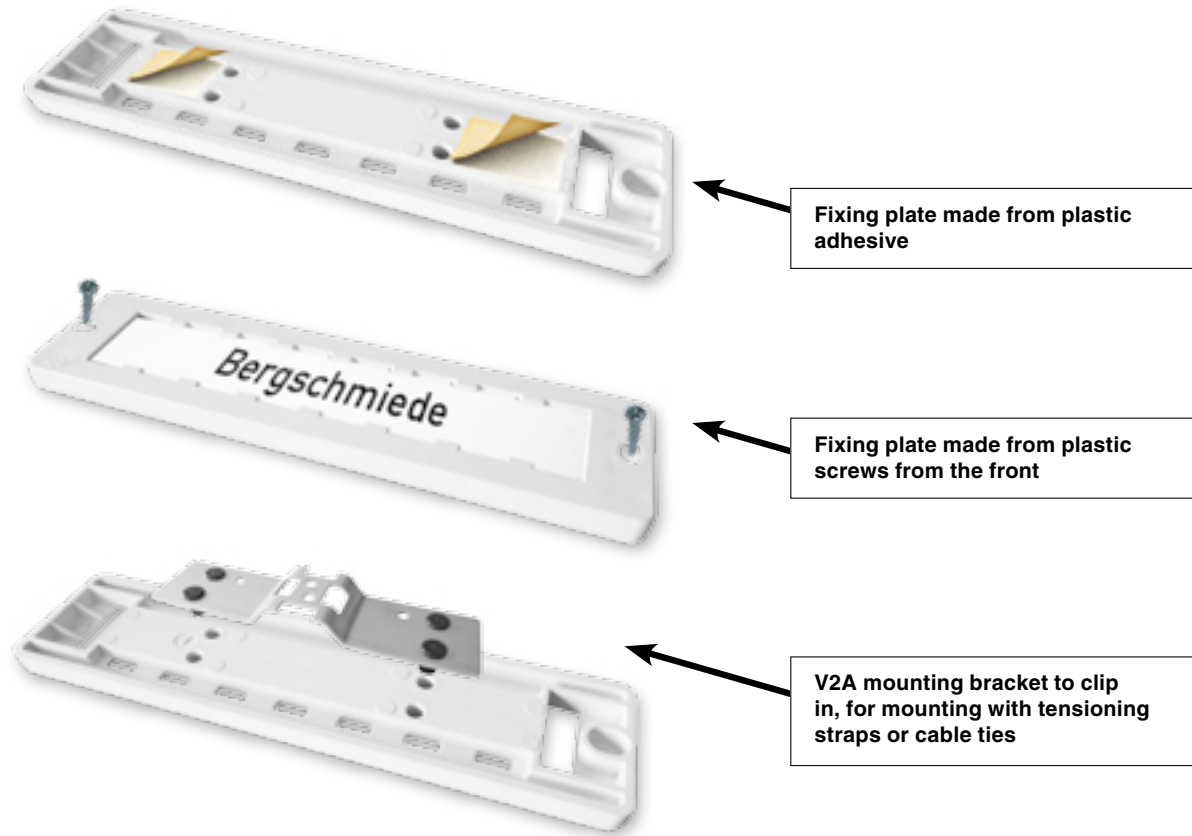



**Advantages:**

- laser engraving, weather resistant & UV resistant
- various fastening options
- barcode or QR code possible
- inscription plate in various colours

**FP-Multi-Sign  
Fastening**

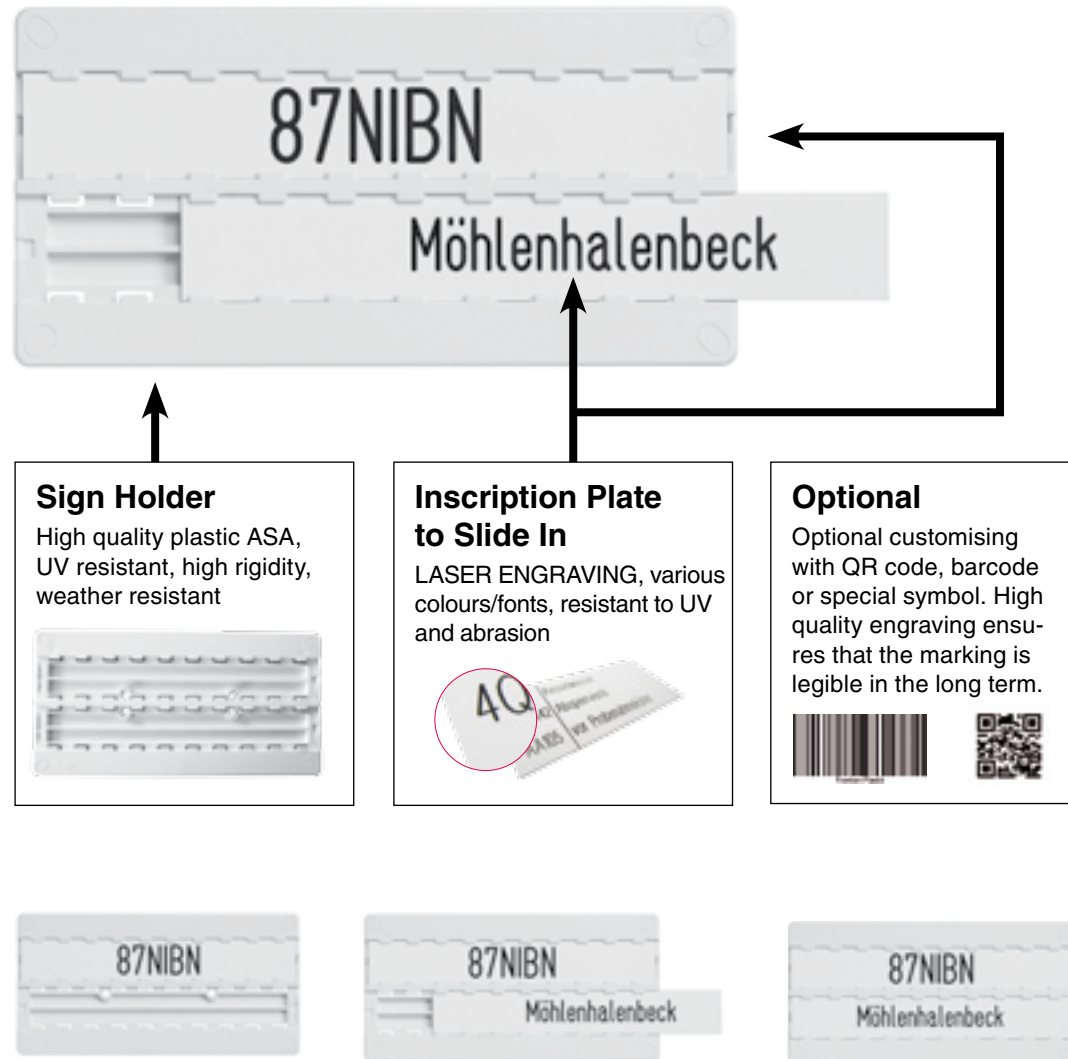
The fastening options:



V2A mounting bracket

# FP-Multi-Sign System

Sign 200 x 100 mm

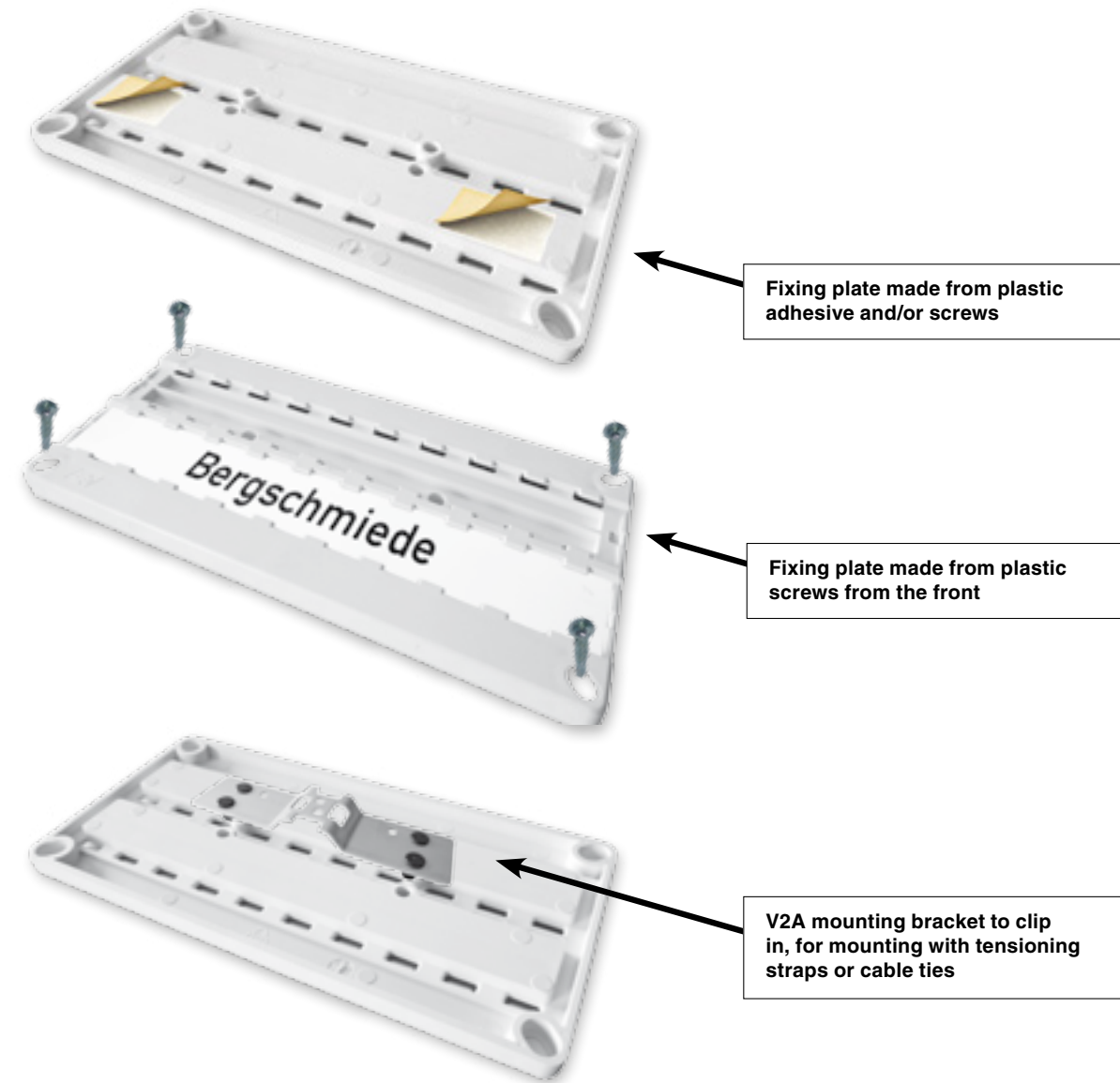


## Advantages:

- laser engraving, weather resistant & UV resistant
- various fastening options
- barcode or QR code possible
- inscription plate in various colours

# FP-Multi-Sign Fastening

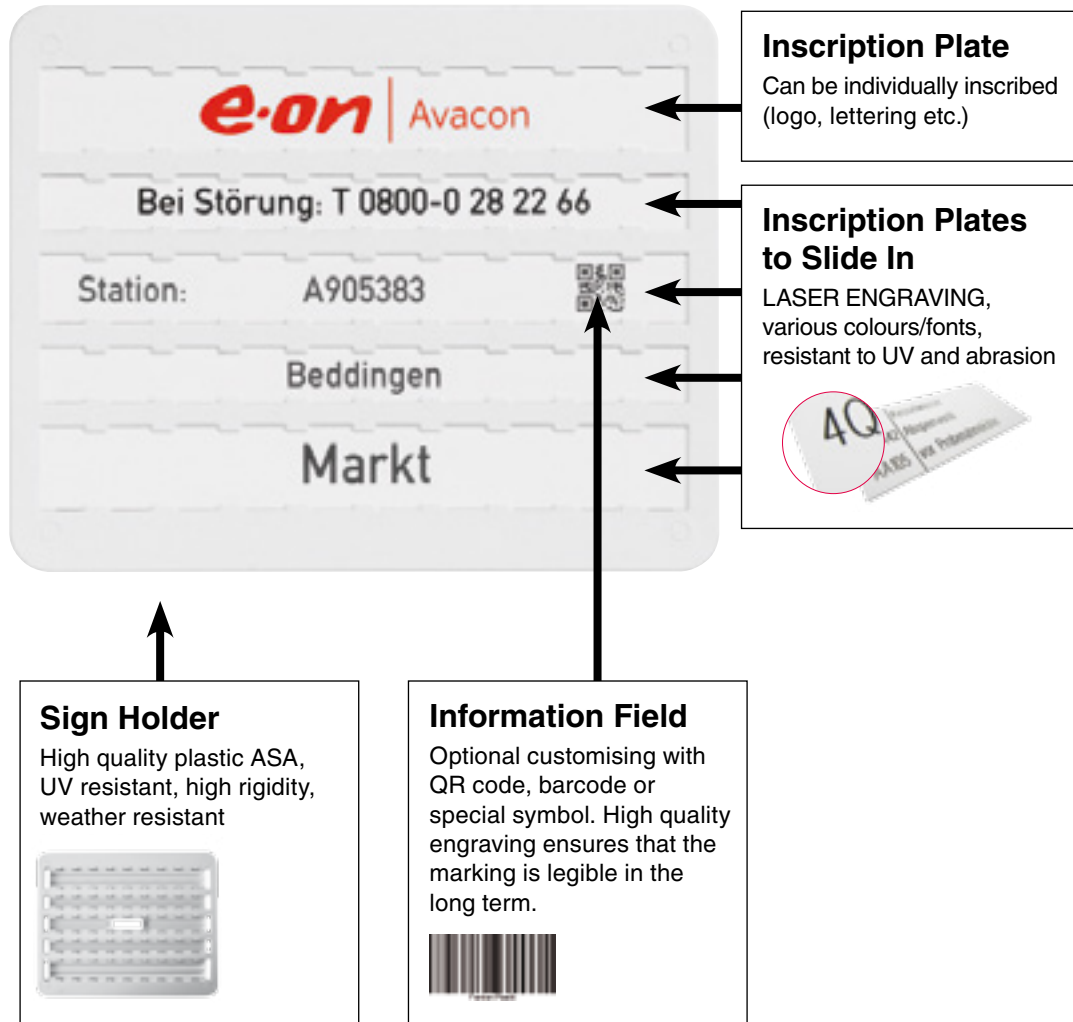
The fastening options:



# FP-Multi-Sign System



Sign 250 x 200 mm



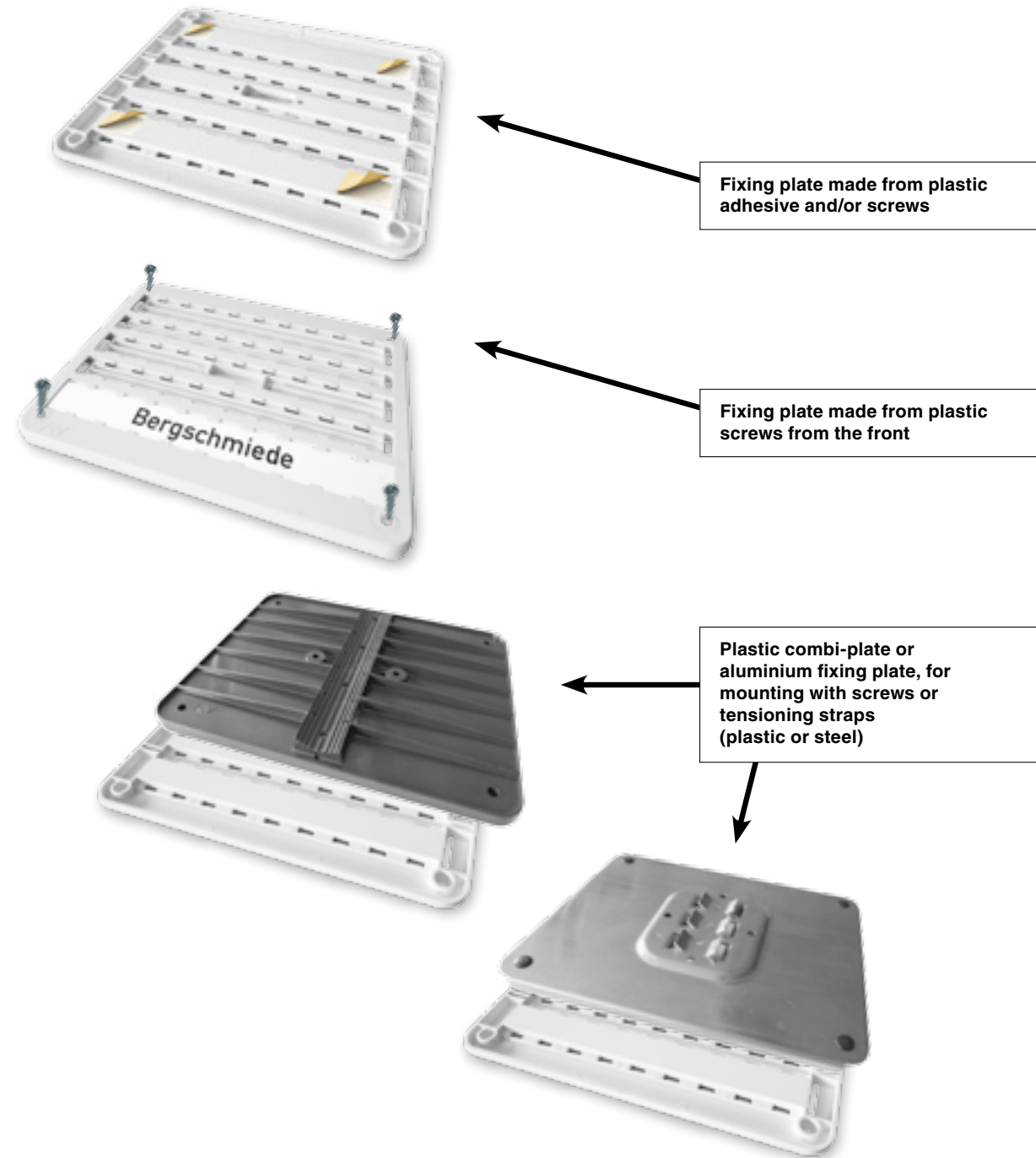
## Advantages:

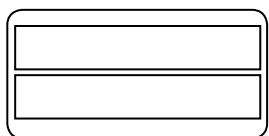
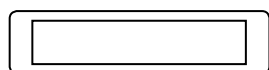
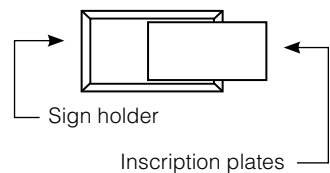
- laser engraving, weather resistant & UV resistant
- various fastening options
- barcode or QR code possible
- inscription plate in various colours

# FP-Multi-Sign Fastening

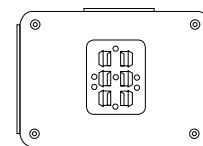
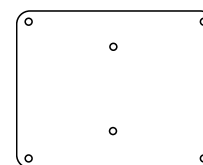
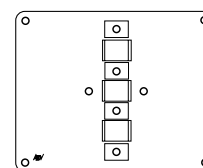
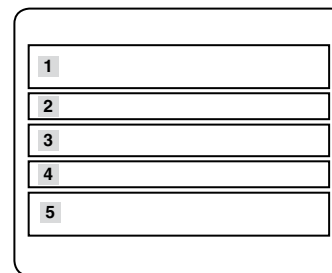


The fastening options:



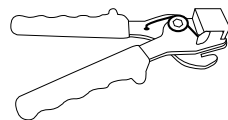
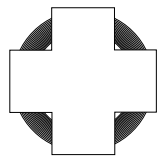
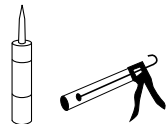
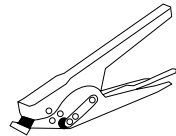
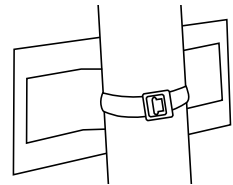
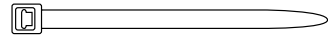


Description	Type	Item No.
<b>Multi-Sign</b> 100 x 50 mm with one engraved plate <b>complete</b> plate colour on request	white with slide-in plates	1353025
<b>Sign Holder</b> single 100 x 50 mm	white	1353021
<b>Inscription Plate</b> single 100 x 47.9 mm	plate colour on request	1191004
<b>Multi-Sign</b> 200 x 50 mm with one engraved plate <b>complete</b> plate colour on request	white with slide-in plates	1353027
<b>Sign Holder</b> single 200 x 50 mm	white	1353023
<b>Inscription Plate</b> single 170 x 29.3 mm	plate colour on request	1191006
<b>Multi-Sign</b> 200 x 100 mm with two engraved plates <b>complete</b> plate colour on request	white with slide-in plates	1353026
<b>Sign Holder</b> single 200 x 100 mm	white	1353022
<b>Inscription Plate</b> single 195 x 29.3 mm	plate colour on request	1191005
<b>Fixing Plate</b>		
V2A	for fastening strap up to 9 mm wide	1713002

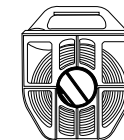
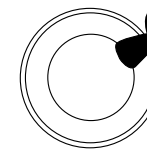
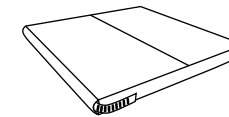
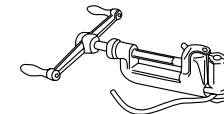
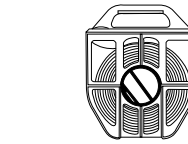


Description	Type	Item No.
<b>Multi-Sign</b> 250 x 200 mm with five engraved plates <b>complete</b> plate colour on request	white with slide-in plates	1353024
<b>Sign Holder</b> single 250 x 200 mm	white	1353020
<b>Inscription Plate</b> single 245 x 29.3 mm	plate colour on request	1190000
<b>Inscription Plate 2</b> single 245 x 19.3 mm	plate colour on request	1190001
<b>Inscription Plate 3</b> single 245 x 24.3 mm	plate colour on request	1191002
<b>Inscription Plate 4</b> single 245 x 19.3 mm	plate colour on request	1190001
<b>Inscription Plate 5</b> single 245 x 29.3 mm	plate colour on request	1191001
<b>Fixing Plate for Multi-Sign 250 x 200 mm</b>		
<b>Plastic Combi-Plate (ASA)</b> with integrated rotation lock for fastening strap up to 19 mm wide 250 x 200 mm and clamp fastening		16376
<b>Aluminium Fixing Plate smooth</b> , for fence and wall mounting	250 x 200 mm	16166
<b>Aluminium Combi Plate</b> for screw-fixing channel, strap, clamp and bracket fastening with all-round edge	250 x 200 mm	16108
<b>Screws for Sign</b> on aluminium fixing plate	blank (V2A) M5 x20 mm	16310

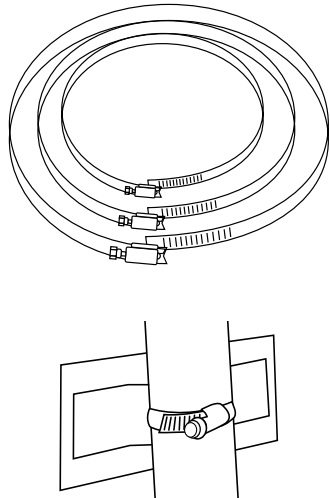




Description	Type	Item No.
<b>Alternative fastening for fixing plate V2A and flix Clip</b>		
<b>Cable Ties</b> black, UV resistant	8.0 mm wide, 450 mm long for pipe Ø to 100 mm	31011
	9.0 mm wide, 610 mm long for pipe Ø to 177 mm	31010
	12.5 mm wide, 580 mm long for pipe Ø to 150 mm	31012
	12.5 mm wide, 1000 mm long for pipe Ø to 300 mm	31013
<b>Cable Tie Pliers</b> for fixing cable ties (up to 13 mm wide)		31020
<b>Double-sided Adhesive Tape</b>	roll of 25 m white	16404
<b>V2A Sheet-Metal Screw</b>	4.2 x 16 mm	18565
<b>FP-Adhesive in Cartridge</b> for signs	310 ml	16393
<b>Cartridge Gun</b> for 310 ml cartridge		22823
<b>Smart-Band® plastic with glass fiber inlay</b>		
<b>Smart-Band®</b> roll of 30 m carrier	10 mm wide	16401
<b>Lock</b> bag	für Band 10 mm breit bag of 50 pieces	16402
<b>Pliers</b>		16403



Description	Type	Item No.
<b>V2A Tensioning Straps</b>		
<b>V2A Tensioning Strap (smooth)</b> roll of 30 m in carrier	9.5 mm wide	16299
	12.7 mm wide	16363
	19 mm wide	16362
<b>V2A Buckles (Fastening)</b> carton of 100 pieces	for strap 9.5 mm wide	16298
	for strap 12.7 mm wide	16365
	for strap 19 mm wide	16364
<b>Tensioning Tool</b> for steel strap mounting		16360
<b>V2A Tensioning Strap (shaped) with thread</b> roll of 25 m in carton	7 mm wide	16296
<b>V2A Turnbuckle</b> round head carton of 100 pieces	for strap 7 mm wide	16297
<b>V2A Tensioning Strap (shaped) with thread</b> roll of 30 m in carrier	9 mm wide	120420
<b>V2A Turnbuckle</b> hexagonal carton of 100 pieces	for strap 9 mm wide	120421-1
<b>V2A Perforated Tape</b> for continuous fastening roll of 30 m in carrier	14 mm wide	16356
<b>V2A Fastenings</b> for perforated tape carton of 50 pieces	for tape 14 mm wide	16357



Description	Type	Item No.
<b>V2A Tensioning Straps</b>		
<b>V2A Tensioning Straps</b> fastening already on tensioning strap, 9.0 mm wide	<b>for pipe Ø</b>	
	20–32 mm	120375
	25–40 mm	120377
	32–50 mm	120379
	40–60 mm	120380
	50–70 mm	120381
	60–80 mm	120382
	70–90 mm	120383
	80–100 mm	120384
	90–110 mm	120385
	100–120 mm	120386
	110–130 mm	120387
	120–140 mm	120388
	130–150 mm	120389
	140–160 mm	120390
	150–170 mm	120391
	other sizes upon request.	



## FP-Clip System Open-end Clip-on Sign

Modular open-end clip-on signs made from high-quality ASA plastic are completely coloured through, UV resistant, weather resistant, hard wearing and scratch proof. They are perfectly suited to outdoor use. Each sign can be extended horizontally or vertically and can be filled in with letter inserts, numeral inserts and symbol inserts in various colours. In addition, open-end clip-on signs can be equipped with RFID technology. The quality of the FP open-end clip-on signs is demonstrated by the TÜV inspection certification and the fact that we provide a 15-year warranty for every sign.



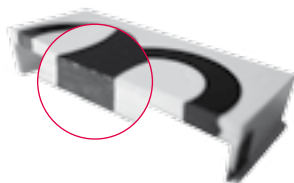
## FP-Clip System Open-end Clip-on Sign System

Open-end Clip-on Sign, vertically extendable



### Letter/Numeral Inserts

COLOURED THROUGH, resistant to abrasion and UV, letters and numerals 10 mm high are simply clipped in. Self-fixing mechanism and profile fitting guarantee a fixed position.



### Basic Module

Made from coloured-through ASA high-quality plastic. In the picture: The vertically-extendable clip-in system. Available colours for the basic module: white, blue, yellow, green, red, brown, orange.

### Side Strip COLOURED THROUGH

resistant to abrasion and UV rays. Available colours: see above

**Open-end Clip-on Sign: horizontally extendable**  
Numeral and letter inserts 25 and 40 mm high, various colours possible. Basic module with three or five pieces.



### Advantages:

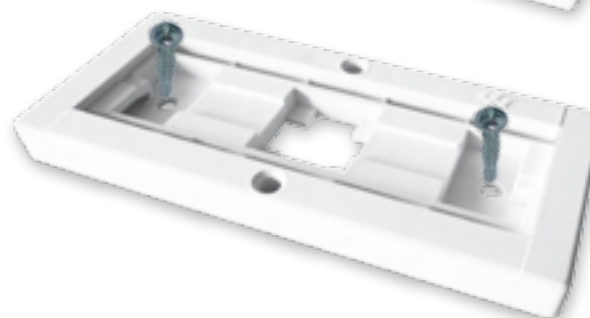
- sign, letter inserts and numeral inserts completely coloured through
- high degree of thermal stability (-40 °C to 100°C)
- high resistance to chemicals and abrasion
- extremely hard wearing and resistant to weathering, aging and fading
- flexible clip system

## FP-Clip System Open-end Clip-on Sign Fastening

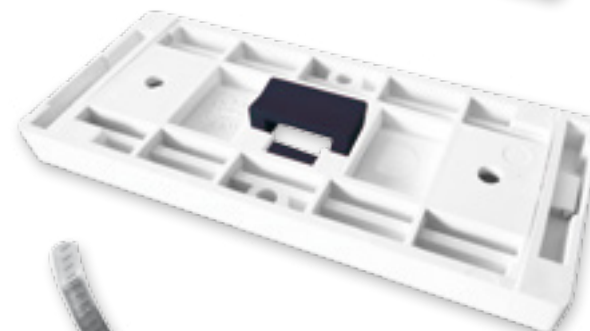
The fastening options:



Open-end clip-on sign made from plastic  
Fastening with adhesive strips



Open-end clip-on sign made from plastic  
Fastening with screws

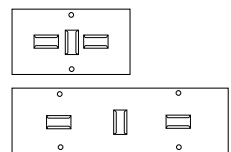
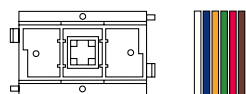
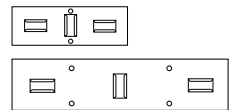
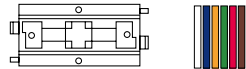
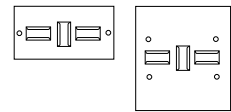
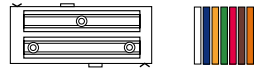


Fastening with mounting element for mounting with tensioning strap or cable ties



Aluminium fixing plate for mounting with tensioning strap or cable ties

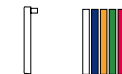
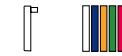
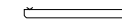
## FP-Clip System Open-end Clip-on Sign Signs and Fixing Plates



\*for mounting with tensioning strap or cable ties up to max. 19.5 mm.

Description	Type/Size	Quantity in Pack	Item No.
<b>Open-end Clip-on Sign 10 mm</b>			
basic module 103 x 40 mm	2 x 12-part	1	weiß 10405
2 lines of twelve 10 mm inserts	vertical	1	blau 10415
	extendable	1	gelb 10425
		1	grün 10435
		1	rot 10445
		1	braun 10455
		1	orange 10417
<b>Aluminium Fixing Plates</b>			
for open-end clip-on signs 10 mm	one fold	1	16920
	two fold	1	16921
<b>Open-end Clip-on Signs 25 mm</b>			
basic module 87 x 44 mm	5-part	1	weiß 10400
for five 25 mm inserts	horizontal	1	blau 10410
	extendable	1	gelb 10420
		1	grün 10430
		1	rot 10440
		1	braun 10450
<b>Aluminium Fixing Plates</b>			
for open-end clip-on signs 25mm	1fold	1	16911
	2fold	1	16912
	3fold	1	16913
	4fold	1	16914
	5fold	1	16915
<b>Open-end Clip-on Sign 40 mm</b>			
basic module 92 x 61 mm	3-part	1	weiß 10402
for three 40 mm inserts	horizontal	1	blau 10412
	extendable	1	gelb 10422
		1	grün 10432
		1	rot 10442
		1	braun 10453
<b>Aluminium Fixing Plate</b>			
for open-end clip-on signs* 40 mm	1fold	1	16901
	2fold	1	16902
	3fold	1	16903
	4fold	1	16904
	5fold	1	16905
	6fold	1	16906
	7fold	1	16907
	8fold	1	16908
	9fold	1	16909
	10fold	1	16910
	11fold	1	16916

## FP-Clip System Open-end Clip-on Sign Side Strips



Description	Type/Size	Quantity in Pack	Item No.
<b>Side Strips</b>			
for open-end clip-on sign	10 mm	100	white 10406
		100	blue 10416
		100	yellow 10426
		100	green 10436
		100	red 10446
		100	brown 10456
for open-end clip-on sign	25 mm	100	white 10401
		100	blue 10411
		100	yellow 10421
		100	green 10431
		100	red 10441
		100	brown 10451
for open-end clip-on sign	40 mm	100	white 10403
		100	blue 10413
		100	yellow 10423
		100	green 10433
		100	red 10443
		100	brown 10453
<b>Bolts/Nuts</b>			
<b>Bolts M3 x 16 mm</b> for open-end clip-on signs	V2A	bag with 100 pieces	16330
<b>corresponding nut M3</b> for clip-on sign on FP fixing plate	V2A	bag with 100 pieces	16335
<b>Mounting Element</b>			
for 25 mm and 40 mm open-end clip-on signs (not sorted by colour) for mounting with tensioning strap or cable ties up to max. 12.5 mm wide		100	10499

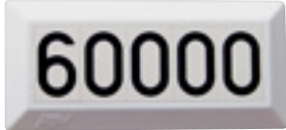
Insert-Programme (letters, numbers, symbols) and fastening technology can be found from page 156.

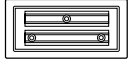

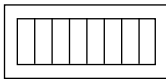
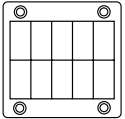
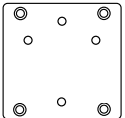
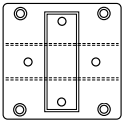


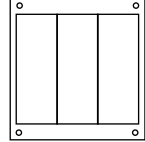
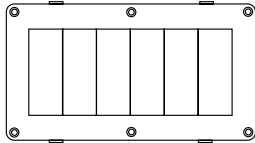
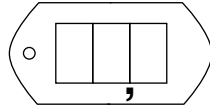
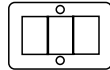



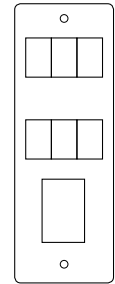
## FP-Clip System Special Solutions

Not every application area has a requirement for standard solutions, and that's why Franken Plastik also produces special solutions from high-quality ASA plastic to meet particular demands. These signs are typically deployed in areas such as construction site marking, lamp-post signs and marker signs for stop valves.



	Description	Type	Item No.
	<b>105 x 57 mm</b> for 10 mm inserts	2 lines of 12 inserts	10470
	<b>109 x 50 mm</b> for 25 mm inserts	1 line of 5 inserts	10475
	<b>162 x 50 mm</b> for 25 mm inserts	1 line of 8 inserts	10480
	<b>Mounting:</b> adhesive, screws		
	<b>Lampost Sign</b> <b>105 x 100 mm</b> with snap-in studs	for 2 x five 25 mm inserts	10748
	<b>Mounting:</b> backing plate or combi-plate		
<b>Fastening technology for item no. 10748</b>			
	<b>Backing Plate</b> <b>105 x 100 mm</b> for wall mounting with snap-in studs		10493
	<b>Mounting:</b> screws		
	<b>Plastic Combi-Plate (ASA)</b> <b>105 x 100 mm</b> for post mounting with snap-in studs		10743
	<b>Mounting:</b> mounting strap up to 19 mm wide		

	Description	Type	Item No.
	<b>102 x 104 mm</b> <b>Mounting:</b> screws	for three 32x80 mm inserts Typeheight 68 mm	10500
	<b>220 x 120 mm</b> <b>Mounting:</b> screws	for six 32x80 mm inserts Typeheight 68 mm	18004
	<b>95 x 45 mm</b> for three 25 mm inserts with comma	blue yellow	10414 10424
	<b>Mounting:</b> screws		
	<b>68 x 44 mm</b> for three 25 mm inserts	white yellow	10606 10605
	<b>Mounting Element</b> (not sorted by colour) for mounting with tensioning strap or cable ties up to max. 12.5 mm		10499

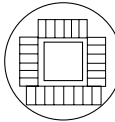


Description	Type	Item No.
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**Fix-on Marker**

<b>70 x 195 mm</b> for 1 x one 40 mm and 2 x three 25 mm inserts <b>Mounting:</b> screws	blue	10690
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**Fix-on Marker (Gate Valve/House Connection)**



<b>ø 100 mm</b> incl. backing plate and adapter for 3 x six and 1 x eight 10 mm inserts	blue	10701
	yellow	10702
	green	10703
	red	10704
	white	10700



<b>ø 70 mm</b> for 2 x three and 1 x five 10 mm inserts	blue	10728
	yellow	10729

**Mounting:** plug on

**Cable Rings**



<b>Cable Identification Ring</b> ø 36 mm	blue	1353061
	yellow	1353062
	green	1353063
	red	1353064
	brown	1353065
	orange	1353066
	white	1353067
other colours on request		



Description	Type	Item No.
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**Identification symbol**

<b>„W“ ø 40 mm</b>	blue	19102
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<b>„G“ ø 40 mm</b>	yellow	19201
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<b>„lightening“ ø 40 mm</b>	red	19403
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**Mounting:** adhesive

**Identification symbol with hole**

<b>ø 40 mm</b>	blue	19104
	yellow	19204
	red	19404

**Mounting:** screws

**Identification symbol without hole**

<b>ø 40 mm</b>	blue	19105
	yellow	19205
	red	19405

**Mounting:** adhesive

FP-Clip System Special Solutions  
**Insert Programme,  
 Blank Inserts**



Description	Type/Inscription	Item No.
		□
<b>Blank inserts 10 mm</b>		<b>white</b>
insert size 7 x 15 mm	1-part	11091
	2-part	11092
	3-part	11093
	4-part	11094
	5-part	11095
	6-part	11096
hot-stamping from template for above-mentioned blank inserts	12-part	11099
		99010
<b>Blank inserts 25 mm</b>		<b>white</b>
insert size 17.5 x 28.5 mm	1-part	12091
	2-part	12092
	3-part	12093
	5-part	12095
	hot-stamping for above-mentioned inserts, 1-part, 2-part, 3-part from template 5-part from template	
<b>Blank inserts 40 mm</b>		<b>white</b>
insert size 31 x 45 mm	1-part	13091
	2-part	13092
hot-stamping from template for above-mentioned inserts		99010

FP-Clip System Special Solutions  
**Insert Programme,  
 Blank Inserts**



Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Quantity per Pack. Unit
■	■	■	■	■	■	
<b>blue</b>	<b>yellow</b>	<b>green</b>	<b>red</b>	<b>brown</b>	<b>orange</b>	
11191	11291	11391	11491	11591	11791	100
11192	11292	11392	11492	11592	11792	100
11193	11293	11393	11493	11593	11793	100
11194	11294	11394	11494			100
11195	11295	11395	11495	11595	11795	100
11196	11296	11396	11496	11596	11796	100
11199	11299	11399	11499	11599	11799	100
99010	99010	99010	99010	99010	99010	
<b>blue</b>	<b>yellow</b>	<b>green</b>	<b>red</b>	<b>brown</b>	<b>orange</b>	
12191	12291	12391	12491	12591	12791	100
12192	12292	12392	12492	12592	12792	100
12193	12293	12393	12493	12593	12793	100
12195	12295	12395	12495	12595	12795	100
99010	99010	99010	99010	99010	99010	
99011	99011	99011	99011	99011	99011	
<b>blue</b>	<b>yellow</b>	<b>green</b>	<b>red</b>	<b>brown</b>	<b>orange</b>	
13191	13291	13391	13491	13591	13791	100
13192	13292	13392	13492			50
99010	99010	99010	99010	99010	99010	



**A**

Description	Type/ Inscription	Item No.	Item No.
		<b>A</b>	<b>A</b>
<b>Letter Inserts 10 mm</b>		<b>white/black</b>	<b>blue/white</b>
type height 10 mm	A	11010	11110
	B	11011	11111
	C	11012	11112
	D	11013	11113
	E	11014	11114
	F	11015	11115
	G	11016	11116
	H	11017	11117
	I	11018	11118
	J	11019	11119
	K	11020	11120
	L	11021	11121
	M	11022	11122
	N	11023	11123
	O	11000	11100
	P	11025	11125
	Q	11026	11126
	R	11027	11127
	S	11028	11128
	T	11029	11129
	U	11030	11130
	V	11031	11131
	W	11032	11132
	X	11033	11133
	Y	11034	11134
	Z	11035	11135

**Please note:**

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**3**

Description	Type/ Inscription	Item No.	Item No.
		<b>A</b>	<b>A</b>
<b>Numeral Inserts 10 mm</b>		<b>white/black</b>	<b>blue/white</b>
type height 10 mm	0	11000	11100
	1	11001	11101
	2	11002	11102
	3	11003	11103
	4	11004	11104
	5	11005	11105
	6	11006	11106
	7	11007	11107
	8	11008	11108
	9	11006	11106

Item No.	Item No.	Item No.	Item No.	Item No.	Quantity per Pack. Unit
<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	
<b>yellow/black</b>	<b>green/white</b>	<b>red/white</b>	<b>brown/white</b>	<b>orange/black</b>	
11210	11310	11410	11510	11710	100
11211	11311	11411	11511	11711	100
11212	11312	11412	11512	11712	100
11213	11313	11413	11513	11713	100
11214	11314	11414	11514	11714	100
11215	11315	11415	11515	11715	100
11216	11316	11416	11516	11716	100
11217	11317	11417	11517	11717	100
11218	11318	11418	11518	11718	100
11219	11319	11419	11519	11719	100
11220	11320	11420	11520	11720	100
11221	11321	11421	11521	11721	100
11222	11322	11422	11522	11722	100
11223	11323	11423	11523	11723	100
11200	11300	11400	11500	11700	100
11225	11325	11425	11525	11725	100
11226	11326	11426	11526	11726	100
11227	11327	11427	11527	11727	100
11228	11328	11428	11528	11728	100
11229	11329	11429	11529	11729	100
11230	11330	11430	11530	11730	100
11231	11331	11431	11531	11731	100
11232	11332	11432	11532	11732	100
11233	11333	11433	11533	11733	100
11234	11334	11434	11534	11734	100
11235	11335	11435	11535	11735	100
<b>yellow/black</b>	<b>green/white</b>	<b>red/white</b>	<b>brown/white</b>	<b>orange/black</b>	
11200	11300	11400	11500	11700	100
11201	11301	11401	11501	11701	100
11202	11302	11402	11502	11702	100
11203	11303	11403	11503	11703	100
11204	11304	11404	11504	11704	100
11205	11305	11405	11505	11705	100
11206	11306	11406	11506	11706	100
11207	11307	11407	11507	11707	100
11208	11308	11408	11508	11708	100
11206	11306	11406	11506	11706	100



Description	Type/ Inscription	Item No.	Item No.
		<b>A</b>	<b>A</b>
<b>Letter Inserts 25 mm</b>		<b>white/black</b>	<b>blue/white</b>
type height 25 mm	A	12010	12110
	B	12011	12111
	C	12012	12112
	D	12013	12113
	E	12014	12114
	F	12015	12115
	G	12016	12116
	H	12017	12117
	I	12018	12118
	J	12019	12119
	K	12020	12120
	L	12021	12121
	M	12022	12122
	N	12023	12123
	O	12000	12100
	P	12025	12125
	Q	12026	12126
	R	12027	12127
	S	12028	12128
	T	12029	12129
	U	12030	12130
	V	12031	12131
	W	12032	12132
	X	12033	12133
	Y	12034	12134
	Z	12035	12135

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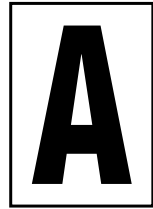
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<b>Numeral Inserts 25 mm</b>		<b>white/black</b>	<b>blue/white</b>
type height 25 mm	0	12000	12100
	1	12001	12101
	2	12002	12102
	3	12003	12103
	4	12004	12104
	5	12005	12105
	6	12006	12106
	7	12007	12107
	8	12008	12108
	9	12006	12106



Item No.	Item No.	Item No.	Item No.	Item No.	Quantity per Pack. Unit
<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	
<b>yellow/black</b>		<b>green/white</b>		<b>red/white</b>	
<b>brown/white</b>		<b>orange/black</b>			
12210	12310	12410	12510	12710	100
12211	12311	12411	12511	12711	100
12212	12312	12412	12512	12712	100
12213	12313	12413	12513	12713	100
12214	12314	12414	12514	12714	100
12215	12315	12415	11515	12715	100
12216	12316	12416	12516	12716	100
12217	12317	12417	12517	12717	100
12218	12318	12418	12518	12718	100
12219	12319	12419	12519	12719	100
12220	12320	12420	12520	12720	100
12221	12321	12421	12521	12721	100
12222	12322	12422	12522	12722	100
12223	12323	12423	12523	12723	100
12200	12300	12400	12500	12700	100
12225	12325	12425	12525	12725	100
12226	12326	12426	12526	12726	100
12227	12327	12427	12527	12727	100
12228	12328	12428	12528	12728	100
12229	12329	12429	12529	12729	100
12230	12330	12430	12530	12730	100
12231	12331	12431	12531	12731	100
12232	12332	12432	12532	12732	100
12233	12333	12433	12533	12733	100
12234	12334	12434	12534	12734	100
12235	12335	12435	12535	12735	100

<b>yellow/black</b>	<b>green/white</b>	<b>red/white</b>	<b>brown/white</b>	<b>orange/black</b>	
12200	12300	12400	12500	12700	100
12201	12301	12401	12501	12701	100
12202	12302	12402	12502	12702	100
12203	12303	12403	12503	12703	100
12204	12304	12404	12504	12704	100
12205	12305	12405	12505	12705	100
12206	12306	12406	12506	12706	100
12207	12307	12407	12507	12707	100
12208	12308	12408	12508	12708	100
12206	12306	12406	12506	12706	100



Description	Type/ Inserts	Item No.	Item No.
			
<b>Letter Inserts 40 mm</b>			
type height 40 mm	A	13010	13110
	B	13011	13111
	C	13012	13112
	D	13013	13113
	E	13014	13114
	F	13015	13115
	G	13016	13116
	H	13017	13117
	I	13018	13118
	J	13019	13119
	K	13020	13120
	L	13021	13121
	M	13022	13122
	N	13023	13123
	O	13000	13100
	P	13025	13125
	Q	13026	13126
	R	13027	13127
	S	13028	13128
	T	13029	13129
	U	13030	13130
	V	13031	13131
	W	13032	13132
	X	13033	13133
	Y	13034	13134
	Z	13035	13135

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

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Description	Type/ Inserts	Item No.	Item No.
			
<b>Numeral Inserts 40 mm</b>			
type height 40 mm	0	13000	13100
	1	13001	13101
	2	13002	13102
	3	13003	13103
	4	13004	13104
	5	13005	13105
	6	13006	12106
	7	13007	13107
	8	13008	13108
	9	13006	13106

Item No.	Item No.	Item No.	Item No.	Item No.	Quantity per Pack. Unit
					
<b>Letter Inserts 40 mm</b>					
13210	13310	13410	13510	13710	100
13211	13311	13411	13511		100
13212	13312	13412	13512		100
13213	13313	13413	13513	13713	100
13214	13314	13414	13514	13714	100
13215	13315	13415	13515		100
13216	13316	13416	13516		100
13217	13317	13417	13517	13717	100
13218	13318	13418	13518		100
13219	13319	13419	13519		100
13220	13320	13420	13520	13720	100
13221	13321	13421	13521	13721	100
13222	13322	13422	13522		100
13223	13323	13423	13523	13723	100
13200	13300	13400	13500		100
13225	13325	13425	13525		100
13226	13326	13426	13526		100
13227	13327	13427	13527	13727	100
13228	13328	13428	13528	13728	100
13229	13329	13429	13529		100
13230	13330	13430	12530	13730	100
13231	13331	13431	13531	13731	100
13232	13332	13432	13532		100
13233	13333	13433	13533		100
13234	13334	13434	13534		100
13235	13335	13435	13535		100

Item No.	Item No.	Item No.	Item No.	Item No.	Quantity per Pack. Unit
					
<b>Numeral Inserts 40 mm</b>					
13200	13300	13400	13500		100
13201	13301	13401	13501		100
13202	13302	13402	13502		100
13203	13303	13403	13503		100
13204	13304	13404	13504		100
13205	13305	13405	13505		100
113206	13306	13406	13506		100
13207	13307	13407	13507		100
13208	13308	13408	13508		100
13206	13306	13406	13506		100

FP-Clip System Special Solutions  
**Insert Programme**  
**Symbol Inserts**



Description	Type/Size	Quantity in Pack	Artikel-Nr.
<b>“Lightening”</b>			
background white	25 mm	100	12040
symbol red	40 mm	100	13040
<b>Symbol insert</b>			
background blue	10 mm	100	11136
symbol white			
<b>Symbol insert</b>			
background blue	10 mm	100	11137
symbol white			
<b>Symbol insert</b>			
background blue	10 mm	100	11140
symbol white			
<b>Symbol insert</b>			
background blue	10 mm	100	11141
symbol white			
<b>Symbol insert</b>			
background blue	10 mm	100	11142
symbol white			
<b>Symbol insert</b>			
background blue	25 mm	100	12145
symbol white			
<b>Symbol insert</b>			
background blue	25 mm	100	12162
symbol white			
<b>Symbol insert</b>			
background blue	25 mm	100	12164
symbol white			
<b>Symbol insert</b>			
background yellow	25 mm	100	12237
symbol black			
<b>Symbol insert</b>			
background yellow	25 mm	100	12238
symbol black			

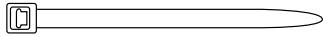
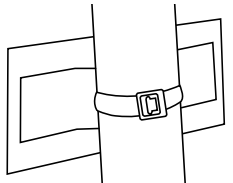
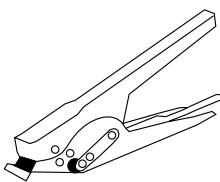
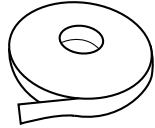


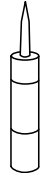
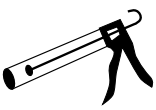
FP-Clip System Special Solutions  
**Insert Programme**  
**Symbol Inserts/GHS Symbols**



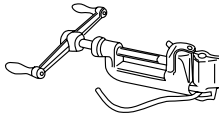
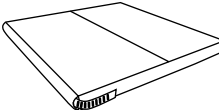

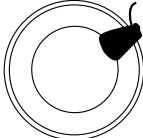





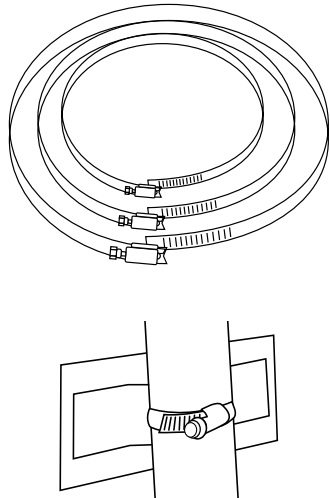
Description	Type/Size	Quantity in Pack	Artikel-Nr.
<b>Symbol insert</b>			
background yellow	25 mm	100	12239
symbol black			
<b>Symbol insert</b>			
background yellow	25 mm	100	12241
symbol black			
<b>GHS01 Symbol “Explosives”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS02 Symbol “Flammables”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS03 Symbol “Oxidizers”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS04 Symbol “Gases Under Pressure”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS05 Symbol “Corrosives”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS06 Symbol “Acute Toxicity”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS07 Symbol “Irritant”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS08 Symbol “Carcinogen”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010
<b>GHS09 Symbol “Environmental Toxicity”</b>			
background white	<b>40 mm</b>	100	1353115
+ hot-stamped			+ 99010

Other symbols, sizes and colours on request.



Description	Type (W x H)	Item No.
<b>Cable Ties</b>		
	<b>Cable Ties</b> black, UV resistant	8.0 mm wide, 450 mm long for pipe Ø to 100 mm
		9.0 mm wide, 610 mm long for pipe Ø to 177 mm
		12.5 mm wide, 580 mm long for pipe Ø to 150 mm
		12.5 mm wide, 1000 mm long for pipe Ø to 300 mm
	<b>Cable Tie Pliers</b> for fixing cable ties (up to 13 mm wide)	31020
<b>Adhesive Tape</b>		
	<b>double-sided</b>	white
	roll of 25 m	16404
<b>Sheet-Metal Screw</b>		
	<b>V2A</b>	4,2 x 16 mm
		18565
<b>Plastic Screw</b>		
	<b>Phillips-head Screw</b>	6 x 12 mm
	Screw thread remains in the event of damage in the Object	16398
<b>Adhesive</b>		
	<b>Cartridge</b>	310 ml
	for signs	16393
	<b>Cartridge Gun</b>	for 310 ml cartridge
		22823

Description	Type	Item No.
<b>V2A Tensioning Straps</b>		
	<b>V2A Tensioning Strap (smooth)</b>	9.5 mm wide
	Rolle à 30 m im Träger	12.7 mm wide
		19 mm wide
	<b>V2A Buckles (Fastening)</b> carton of 100 pieces	for strap 9.5 mm wide
		for strap 12.7 mm wide
		for strap 19 mm wide
	<b>Tensioning Tool</b> for steel strap mounting	16298
		16365
		16364
		16360
	<b>V2A Tensioning Strap (shaped) with thread</b> roll of 25 m in carton	7 mm wide
		16296
	<b>V2A Turnbuckle</b> round head carton of 100 pieces	for strap 7 mm wide
		16297
	<b>V2A Tensioning Strap (shaped) with thread</b> roll of 30 m in carrier	9 mm wide
		120420
	<b>V2A Turnbuckle</b> hexagonal carton of 100 pieces	for strap 9 mm wide
		120421-1
	<b>V2A Perforated Tape</b> for continuous fastening roll of 30 m in carrier	14 mm wide
		16356
	<b>V2A Fastenings</b> for perforated tape carton of 50 pieces	for tape 14 mm wide
		16357



Description	Type	Item No.
<b>V2A Tensioning Straps</b>		
<b>V2A Tensioning Straps</b>	<b>for pipe Ø</b>	
fastening already on tensioning strap, 9.0 mm wide	20–32 mm	120375
	25–40 mm	120377
	32–50 mm	120379
	40–60 mm	120380
	50–70 mm	120381
	60–80 mm	120382
	70–90 mm	120383
	80–100 mm	120384
	90–110 mm	120385
	100–120 mm	120386
	110–130 mm	120387
	120–140 mm	120388
	130–150 mm	120389
	140–160 mm	120390
150–170 mm	120391	
	other sizes upon request.	



## FP-Coloured-through Special Solutions

With decades of experience in injection moulding, our experienced, highly-qualified staff and our own toolmaker, we have everything it takes to manufacture coloured-through signs in exact accordance with customer specifications. These signs are especially suited for areas that require high UV resistance, scratch-proofing and a long lifetime.



# Individual Systems

Signs should provide permanent warning of any possible dangers. That is only possible if the colours do not fade. Coloured-through signs from FP are guaranteed to keep their colour and to be resistant to even the most adverse conditions. In the following pages, you will find some examples that we have developed together with our customers.



**Shape: triangle**

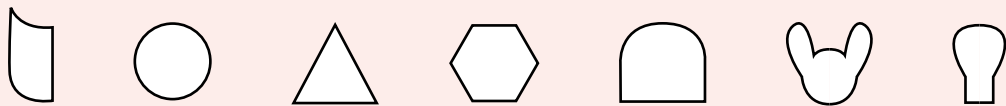
- **Edge length:** 450 mm
- **Technology:** injection moulding/ colouring through
- **Material:** hard wearing plastic
- Temperature resistance from -30°C to 80°C
- Cannot be scratched off
- No fading
- Graffiti can be removed with solvent
- Very stable



**Shape: circle**

- **Diameter:** 420 mm
- **Technology:** injection moulding/ colouring through
- **Material:** hard wearing plastic
- Temperature resistance from -30°C to 80°C
- Cannot be scratched off
- No fading
- Graffiti can be removed with solvent
- Very stable

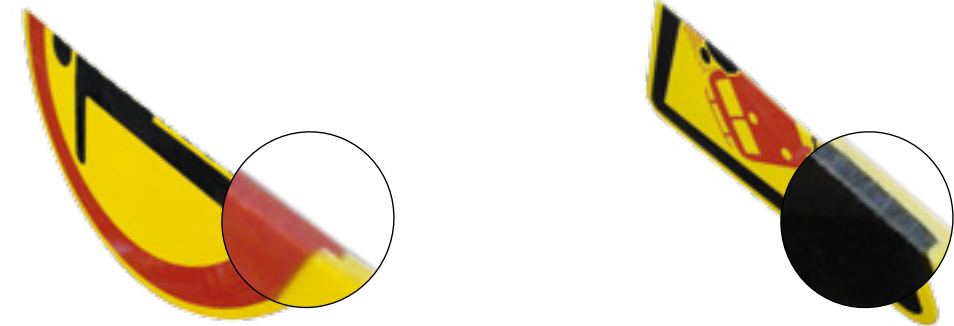
We give shape to your ideas!



# Individuelle Beschilderungssysteme



**Colouring through guarantees a long lifetime**





**Shape: curved**

- **Dimensions:** 150/160 x 200 mm
- **Technology:** injection moulding/colouring through
- **Material:** hard wearing plastic
- Temperature resistance from -30°C to 80°C
- Cannot be scratched off
- No fading
- Graffiti can be removed with solvent
- Very stable

**Your sign --> just give us a call!**

We need the following information from you:

- size
- shape
- deployment area
- size colours/symbols
- quantity
- special requirements



FP-15-Jahres-Garantie

Die Firma Franken Plastik GmbH, Fürth, gewährt auf alle von ihr aus dem Material ASA hergestellten Artikel des Schilderprogrammes eine

**Garantie von 15 Jahren**

unter folgenden Prämissen:

**Die Garantie umfasst die**

- Funktionstüchtigkeit
- Bruchsicherheit
- Lesbarkeit
- Farbstabilität

von Hinweisschildern unter normalem Einsatz und Witterungseinflüssen.

Die Garantie läuft ab dem im Schild eindeutig gekennzeichneten Jahresdatum und umfasst den Ersatz von fehlerhaftem Material.

**Nicht unter die Garantie fallen:**

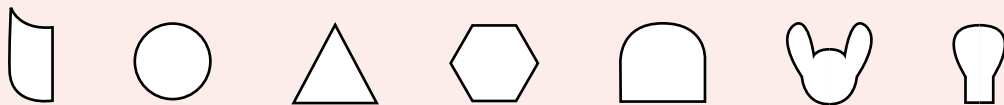
- Schäden durch mutwillige Zerstörung, Brand, Schlag und Stoß
- Schäden durch unsachgemäße Montage oder nachträgliche Veränderung der Produkte
- Schäden durch Einsatz für einen anderen Zweck als dem vorgesehenen
- leichte Farbaufhellungen durch UV-Einwirkung

FP - FRANKEN PLASTIK GmbH - Bablarerstr. 11 - 90763 Fürth - Tel. 0911.78.70.70  
Fax: Tel. 0911.78.70.777 - info@frankenplastik.de - www.frankenplastik.de

Stand 2010

Contact, Certificates and  
General Terms and Conditions

We give shape to your ideas!





## Contact Data



### Decentralized Field

#### Sales Team

our experts come to your location

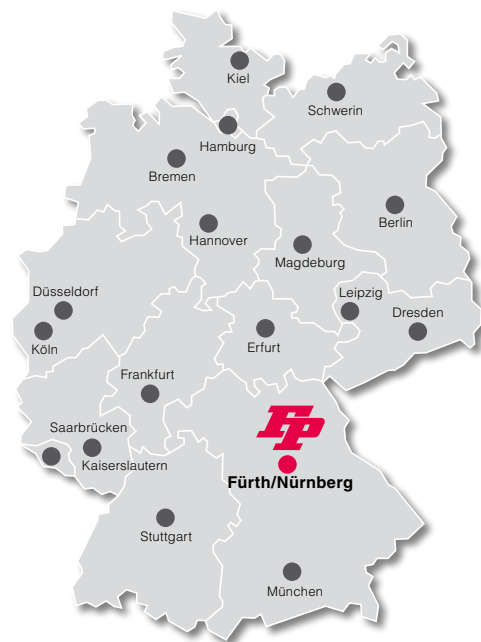
[www.frankenplastik.de](http://www.frankenplastik.de)

#### Head Office

Tel. +49 911 / 78 707 – 0

Fax +49 911 / 78 707 – 77

E-Mail [sales@frankenplastik.de](mailto:sales@frankenplastik.de)



Customer Service – Industrial and Plant Marking Systems

Order Management

Tel. +49 911 / 78 707 – 24

Tel. +49 911 / 78 707 – 36

Telephone orders / Order Processing

Tel. +49 911 / 78 707 – 24

Tel. +49 911 / 78 707 – 28

Customer Service – Export

Tel. +49 911 / 78 707 – 24

Tel. +49 911 / 78 707 – 28

#### Postal Address

Franken Plastik GmbH  
Balbiererstraße 11  
90763 Fürth  
Germany

Would you like to meet us face-to-face? For our trade fair schedule, please go to our website: [www.frankenplastik.de](http://www.frankenplastik.de)  
Alternatively, please feel free to arrange a personal visit to our head office.

## ISO-9001





# CERTIFICATE

It is hereby certified that the company



**Franken Plastik GmbH**  
**Balbiererstraße 11**  
**90763 Fürth**

has introduced a Safety Management System in accordance with the standard

**SCC\*\***

(unrestricted certificate)

and that this system complies with the provisions set out in  
the "Safety Certificate Contractors" (SCC) as of 2011.

This certificate is valid for:

**Planning, manufacture and installation logistics of  
plant identification and signage systems**



Date of first certification: 30.10.2012  
Certificate registration no.: 120907C  
This certificate is valid until: 29.10.2018  
Chemnitz, 30.10.2015



Certifying Body

ICG Zertifizierung GmbH, Wildparkstraße 3, D-09247 Chemnitz



SCC Coordinator