

# Plastic Metal SF



Resistivity	1,33 · 10 <sup>12</sup> Ωm
Thermal diffusivity (23 °C)	0,373 mm <sup>2</sup> /s
Thermal conductivity	0,57 W/m·K
Specific heat capacity	0,861 J/(g·K)
ISSA-Code	75.509.13/14
IMPA-Code	812931/32

Information about surface pre-treatment and processing can be found in the manual.

### Storage

Store WEICON Plastic Metal at room temperature (but up to max. +25°C) in a dry place. Unopened containers can be stored for 24 months at temperatures from +18 to +28°C (Epoxy Resin Putty max. 3 years). Opened containers should be used within 6 months.

### Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

### Fast-curing Steel-filled Pasty Repair Epoxy

WEICON SF is particularly suited for quick repairs and the reconditioning of leaky pipelines, housings and gears, for anchorages, and for the production of fixing devices.

WEICON SF can be used in machine construction, tool construction, model and mould making, the maritime industry and in many other applications.

### Technical Data

Base	Epoxy resin steel-filled
Specific Properties	pasty, fast-curing
Colour after curing	dark-grey
Mixing ratio by weight resin/hardener	100:33
Viscosity of the mixture	800.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,70 kg/m <sup>2</sup>
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	5 min.
Curing time mechanical loads	3 h
Final hardness after	6 h
Mean strength at +25°C (+77°F) acc. to DIN EN 1465/ASTM D 1002:	
Pressure	52 Mpa
Pull	15 Mpa
Bending	40 Mpa
E-Modul	2.500 - 4.000 Mpa
Shore hardness D (ATSM D 1706)	82
Shrinkage	0,06 %
Tg after curing at room temperature	40,7 °C
Tg after tempering (at 90 °C)	32,1 °C
Thermoforming resistance	+40 °C
Temperature resistance	(-31°F) -35 to (+194°F) +90 °C

### Available sizes:

10250002	Plastic Metal SF 0,2 kg
10250005-35	Plastic Metal SF 0.5 kg
10250020-35	Plastic Metal SF 2.0 kg

### Accessories:

10850005	Glass fibre cloth tape, 50 mm x 1 m
10953001	Processing Spatula,
10953003	Processing Spatula,

### Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

WEICON GmbH & Co. KG  
(Headquarters)  
Germany  
phone +49 (0) 251 9322 0  
info@weicon.de  
www.weicon.de

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae  
www.weicon.ae

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca  
www.weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Turkey  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr  
www.weicon.com.tr

WEICON Romania SRL  
Romania  
phone +40 (0) 3 65 730 763  
office@weicon.com  
www.weicon.com.ro

WEICON SA (Pty) Ltd  
South Africa  
phone +27 (0) 21 709 0088  
info@weicon.co.za  
www.weicon.co.za

WEICON South East Asia Pte Ltd  
Singapore  
phone +65 (65) 6710 7671  
info@weicon.com.sg  
www.weicon.com.sg

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz  
www.weicon.cz

WEICON Ibérica S.L.  
Spain  
phone +34 (0) 914 7997 34  
info@weicon.es  
www.weicon.es

WEICON Italia S.r.l.  
Italy  
phone (+39) 0102924871  
info@weicon.it  
www.weicon.it