

WEICON F2 Epoxy Resin



viscous aluminium-filled

WEICON F2 is suited for the casting of models, moulds and templates, for the repair of porous and damaged castings, for the production of prototypes and holding devices, and for pouring out swages to test precision.

WEICON F2 can be used in tool construction, model and mould making, and in many other industrial applications.



Technical Data

| | |
|------------------------------------------------------------------|------------------------------|
| Composition | Epoxy resin aluminium-filled |
| Specific Properties | viscous |
| Colour after curing | aluminium |
| Mixing ratio by weight resin/hardener | 100:14 |
| Density of the mixture (200g preparation) | 1,45 g/cm ³ |
| Viscosity of the mixture | 200.000 mPa·s |
| Consumption at a coating thickness of 1,0 mm | 1,45 kg/m ² |
| Maximum layer thickness for each working step | 10 mm |
| Pot life at +20°C (+68°F) 200g preparation | 60 min. |
| Curing time mechanical loads | 16 h |
| Final strength after | 24 h |
| Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002: | |
| Pressure | 43 Mpa |

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.

| | |
|--------------------------|-------------------|
| Bending | 26 Mpa |
| E-Modul | 1.500 - 2.000 Mpa |
| Shore D (ATSM D 1706) | 79 |
| Shrinkage | 0,025 % |
| Thermoforming resistance | +55 °C |
| Temperature resistance | -35 to +120 °C |
| ISSA-Code | 75.509.11/12 |
| IMPA-Code | 81 29 33/34 |

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 18 months at temperatures from +18 to +25°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) must be observed.

Available sizes:

| | |
|----------|------------------------------|
| 10200005 | WEICON F2 Epoxy Resin 0.5 kg |
| 10200020 | WEICON F2 Epoxy Resin 2.0 kg |

Accessories:

| | |
|----------|-------------------------------------------|
| 10604025 | Mould Release Agent Liquid F 1000, 250 ml |
| 10604515 | Mould Release Agent Wax P 500, 150 g |
| 10850005 | Glass Fibre Cloth Tape, 50 mm |
| 10953001 | Processing Spatula, short |
| 10953003 | Processing Spatula, long |
| 10953010 | Stirrer Stainless Steel, |
| 11202400 | Sealant and Adhesive Remover, 400 ml |
| 11207400 | Surface Cleaner, 400 ml |
| 11450400 | Mould Release Agent, 400 ml |
| 11850200 | Hand Protective Foam, 200 ml |

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

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

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

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

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

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