

■ Special products EP-Flow #2543

Product description

EP-Flow is a solvent-free, self-leveling 2-component epoxy resin casting mortar. A high-quality polymer matrix combined with selected fillers enables the application even with large layer thicknesses up to 100mm. With EP-Flow, crevices and cavities can be poured quickly, easily and frictionally. After curing EP-Flow, you get a perfect, vibration-resistant connection of the joining surfaces. Applicable to concrete, steel and wood. Suitable as a foundation for machines and plants as well as a high-quality floor covering.



Typical applications

- Railways
- Steel and concrete columns
- Signal and transmission masts
- Foundations for machines and plants
- Pedestals

Characteristics

- High compressive strength
- Self-deaerating
- Very good flowability
- Self-leveling
- Solvent-free
- Resistant to corrosion and weathering
- Fast curing or loadability

Chemical resistance

EP-Flow is resistant to water and many chemicals such as petrol, oil, acids and alkalis. If you have any questions about chemical resistance, please contact our technicians.

Product data condition of delivery

Hue Comp. A - resin	white
Comp. B - hardener	slightly yellowish

Density Comp. A - resin	2,0 g/cm ³
Comp. B - hardener	1,0 g/cm ³
Viscosity Comp. A - resin	36.000 mPas
Comp. B - hardener	30 mPas
Mixing ratio weight	(A:B) 9:1
Volume	(A:B) 4,7:1
Pot life	60 minutes
Curing complete curing at 20°C	24 hours
walkable at 20°C	12 hours
Processing temperature	10°C to 40°C

Product data outreacted product

Density	1.8 g/cm ³	DIN 53479
Compressive strength	57 N/mm ²	
Strength	87	
E-Modul	8500 N/mm ²	
temperature resistance (permanent)	-40 to +120 °C	

Storage / Shelf Life

Store in original, unopened container in a dry place at room temperature (+10°C to +25°C). Shelf life 24 months. Protect from direct sunlight. Higher temperatures reduce the shelf life.

Mixing process

Use a screwdriver or similar pointed object to pierce the plastic lid and the bottom of the lid so that the hardener in the lid can flow into the resin underneath. After a waiting time of 30 – 40 seconds, the lid is

emptied and can be removed. Mix both components thoroughly.

Description of use

After mixing, process the material immediately.

Disposal

Unused residual material from the cans can be disposed of normally when mixed in the correct ratio and fully cured (EAKV 170203). Unmixed material must be disposed of as chemical waste (EAKV 080111). When booking the Diamant Service Team, waste will be disposed of by us. Further information can be found in the service data sheet.

Safety Data Sheet

Please read the appropriate safety data sheet before processing the product. Material Safety Data Sheets are available on a daily basis upon request via info@diamant-polymer.de or by phone +49-2166-98360. DIAMANT guarantees the product properties as long as they are stored and used according to the specifications listed here. DIAMANT does not assume any responsibility for the processing of the material. Our technicians will be happy to answer any further questions you may have.

Accessories / processing equipment

#1354 Release agent, liquid #1355 Release agent, spray 500 ml #1417 Cleaner, liquid #1534 Cleaner, spray 500 ml #78 Spatula, DIAMANT green #78-1 Japanese spatula 10 x 10 cm #0789 Mixing propeller

Disclaimer

The following supersedes the buyer's documents. Seller makes no express or implied representations or warranties, including merchantability or fitness for a particular purpose. Although the advice and information contained in this publication is based on our own findings and is believed to be reliable, we cannot accept any responsibility for the suitability or results of the processing of the products described herein, nor for any loss or damage caused directly or indirectly by the processing of our products. Before using the described products, the processor is obliged to ensure the quality, safety and other relevant properties by his own tests. We guarantee the flawless quality of our products in accordance with our General Terms and Conditions. The Buyer's sole remedy and the Seller's sole liability for any claims are the Buyer's purchase price. No reference in this publication may be construed as an inducement, recommendation or permission to disregard existing property rights. When handling our products, the industrial hygiene and legal regulations must be observed. For further information, please refer to the relevant safety data sheets. This edition replaces all previous versions