

WEICON UW Epoxy Resin



**pasty
mineral-filled
hardens under water as well as on damp and wet surfaces**

WEICON UW is particularly suitable for repairs and reconditioning, for example on pipes, pumps, tanks and containers.

WEICON UW can be used in the entire marine and inland water navigation sector and in wastewater systems. It can be used in all applications where moisture and wetness lead to bonding difficulties.



Technical Data

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| Composition | Epoxy resin mineral-filled |
| Specific Properties | pasty, cures even under water |
| Colour after curing | white |
| Mixing ratio by weight resin/hardener | 100:100 |
| Density of the mixture (200g preparation) | 1,35 g/cm ³ |
| Viscosity of the mixture | 670.000 mPa·s |
| Consumption at a coating thickness of 1,0 mm | 1,35 kg/m ² |
| Maximum layer thickness for each working step | 12 mm |
| Pot life at +20°C (+68°F) 200g preparation | 20 min. |
| Curing time mechanical loads | 4 h |
| Final strength after | 24 h |
| Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002: | |

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.

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| Pressure | 60 Mpa |
| Bending | 38 Mpa |
| E-Modul | 2.000 - 2.500 Mpa |
| Shore D (ATSM D 1706) | 70 |
| Shrinkage | 0,02 % |
| Thermoforming resistance | +50 °C |
| Temperature resistance | -35 to +120 °C |
| ISSA-Code | 75.509.24/25 |
| IMPA-Code | 81 29 35/36 |

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:

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| 10440005 | WEICON UW Epoxy Resin 0.5 kg |
| 10440020 | WEICON UW Epoxy Resin 2.0 kg |

Accessories:

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| 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 |
| 11202400 | Sealant and Adhesive Remover, 400 ml |
| 11207400 | Surface Cleaner, 400 ml |
| 11450400 | Mould Release Agent, 400 ml |
| 11850200 | Hand Protective Foam, 200 ml |

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