

Reparoxyd SB

Fine, fast-curing polymer mortar



PRODUCT PROPERTIES

- Two component mortar based on special acrylates
- Very high early and final strengths
- Highly wear resistant
- Impermeable to water, tested water impermeability under pressure acc. to EN 12390-8
- High resistancy to freeze-thaw with de-icing salts acc. to CDF test (weathering 23.7 g/m², 28 cycles)
- Workable at temperatures below 0 °C
- Adjustable consistency due to variable mixing ratios
- Certified as a synthetic resin mortar acc. to EN 13813
- Certified as a surface protection product acc. to EN 1504-2

AREAS OF APPLICATION

- Repair mortar for small scale areas up to 1 m²
- Repairs of concrete floors, stairs, damaged curbs, train platform edges
- Repairs of broken edges on precast concrete elements
- Fastening of dislodged lifting bolts in precast concrete elements
- Reprofilling of crane rail trucks and machine foundations
- Filling of honey combs and cavities in concrete

APPLICATION ADVICE

Substrate Preparation: The cement based substrate must be at least 14 days old, dry and free from anti-adhesive substances (e.g. moulding oil, dust, loose particles, etc.). At sub-zero temperatures the substrate must be defrosted and dried. The surface tensile strength of the substrate must be in compliance with the relevant technical regulations.

Please refer to the data sheet "General Application Advice for Reparoxyd".

Priming: For priming use the two-component Reparoxyd Primer. Subsequently apply Reparoxyd SB fresh-in-fresh.

Mixing: The powder and liquid components are mixed together into a homogenous, lump-free compound using a slow-moving agitator.

Within a certain range the quantity of liquid component can be adjusted freely to achieve the desired processing consistency of the mortar.

Depending on the application Reparoxyd SB is applied with a trowel, spatula or a jointing tool.

General Information: The low boiling temperature of the reactive solution causes fumes. You should therefore ensure good ventilation when using indoors. Keep all ignition sources away from the working area. Observe all safety regulations for handling flammable materials. Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	0.4	
Density	g/cm ³	approx. 2.1	
Mixing ratio	p.b.w.		powder component : liquid
		100 : 10	trowelable consistency
		100 : 14	pouring consistency
Working time	minutes	approx. 10	at 20 °C
		approx. 15	at 0° C
		approx. 25	at -10° C
Application conditions	°C	≥ -10 ≤ 25	air and substrate temperatures
		≥ 5 ≤ 25	material temperature
	%	≤ 85	rel. humidity
	K	≥ 3	above dew point
Consumption	kg/m ²	2.2	per mm layer thickness
Flexural strength	N/mm ²		
2 h		approx. 21	
24 h		approx. 23	Final value
Compressive strength	N/mm ²		
2 h		approx. 68	
24 h		approx. 77	Final value
Resilient after	minutes	approx. 45	at 20 °C
		approx. 75	at 0° C
		approx. 120	at -10° C
Layer thickness	mm	20	single-layer
Field size	m ²	1	
Water penetration depth	mm	approx. 10	at 5 bar gauge pressure per EN 12390-8
Thermal resistance	°C	< 50	with surface heat
			dry and damp heat

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Equipment cleaning agent	MC-Reinigungsmittel U
Delivery form	5 kg tub; 1 pallet (60 x 5 kg tubs)
Storage	Can be stored in cool (below 20°C) and dry conditions for 6 months in original unopened packs. Protect from frost.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RMA20

Note: The information in this data sheet must be adapted by the installer, specialist planner, and/or building inspector to the respective construction project, intended use, and specific local conditions. Any non-standard local conditions must be taken into account, and application-specific conditions must be reviewed in advance by the planner/specifier. Deviations from the specified standard conditions require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2500026815]