

# Reparoxyd WG

Coarse, fast-curing polymer mortar



## PRODUCT PROPERTIES

- Two component mortar based on special acrylates
- Very high early and final strength
- 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 to CDF test (weathering 44.8 g/m<sup>2</sup>, 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 coarser small scale areas up to 2 m<sup>2</sup>
- Filling of anchor holes and pillars
- Fastening of dislodged lifting bolts in precast concrete elements
- Repairs of concrete floors, stairs, damaged curbs, train platform edges
- Repairs of broken edges on precast concrete elements
- Filling of honey combs and cavities in concrete
- Reprofilling of crane rail trucks and machine foundations
- Production of acrylate mortars

## 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 WG fresh-in-fresh after 0.5 hours (at 20 °C).

**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 WG 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	approx. 2	
Density	g/cm <sup>3</sup>	approx. 2.2	
Mixing ratio	p.b.w.		powder component : liquid
		approx. 100 : 10	trowelable consistency
		approx. 100 : 12	pouring consistency
With sand filler	mass fractions	1 : 0.4	Mixture : Sand (kiln-dried, 4-6 mm)
Working time	minutes	approx. 12	at 20° C
		approx. 18	at 0° C
		approx. 30	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 <sup>2</sup>	2.2	per mm layer thickness
Flexural strength	N/mm <sup>2</sup>		
2 h		approx. 25	
24 h		approx. 27	Final value
Compressive strength	N/mm <sup>2</sup>		
2 h		approx. 55	
24 h		approx. 61	Final value
Resilient after (mechanically)	minutes	approx. 45	at 20° C
		approx. 125	at 0° C
		approx. 300	at -10° C
Layer thickness	mm	40	maximum layer thickness per pass/operation
Field size	m <sup>2</sup>	2	
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.

Form	pulverous
System products	Reparoxyd Primer
Resistance to thermal cycling	yes
In-company production control	EN ISO 9001
Equipment cleaning agent	MC-Reinigungsmittel U
Delivery form	16.85 kg tub; 1 pallet (24 x 16.85 kg tubs)
Self-monitoring	EN ISO 9001
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 contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will 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. [2300018563]