

## PRODUCT PROPERTIES

- Based on a copolymer dispersion, dilutable with water
- Open to water vapour diffusion acc. to EN 1504-2
- UV-stable, weather and light-resistant due to mineral pigments
- Low emissions acc. to AgBB
- Low emission according to GEV-EMICODE, categorie EC2
- Registered with DGNB\* (Code: RMZMX5)
- Very good colour stability acc. to BFS bulletin No. 26
- Moderately reduced water absorption, class W1 acc. to EN 1062-3
- Matt, available in four grey, miscible colours
- Suitable as a Concrete Cosmetics additive, good water retention capacity
- Non-flammable, building material class A2-s1; d0 acc. to EN 13501-1
- Application by retouching, rolling or spraying

## AREAS OF APPLICATION

### As Concrete Retouch and Concrete Glaze

- For the coloured finish of exposed concrete
- Suitable for mineral indoor and outdoor surfaces
- For outdoor exposed surfaces acc. to EN 1504-2 principle 1, procedure 1.3 only in combination with surface protection systems, e.g. MC-Color Proof

### As Concrete Cosmetics and mortar additive

- Modification of fine and super fine fillers
- Colour adjustment of fine and super fine fillers
- Improves workability and adhesion of cosmetic fillers
- Processing on warm concrete
- Reduces stress cracks in cosmetic fillers
- Slurrying for pipe sleeves

## APPLICATION ADVICE

**Substrate preparation:** Prior to application of Concrete Retouch and Glaze the substrate must be tested for load-bearing capacity. The concrete substrate must be clean and free from all loose particles, dust, oil and any other contaminants. Following substrate preparation the surface tensile strength of the concrete substrate must comply with the relevant technical regulations. Repacryl mixtures are applied on dry substrates.

**Processing as Concrete Retouch and Concrete Glaze:** Repacryl is available in three colours, which can be mixed with one another. The mixing ratio is flexible, depends on the colour. Then Repacryl and water are mixed homogeneously in a 2:1, 1:1 to 1:4 (Repacryl : water) ratio. This mixture is mineral matt. The application of it follows immediately after completion. The application follows by retouching, rolling or spraying. Concrete Retouch is carried out by retouching with MC-Tool Natural Sponge. Concrete Glaze's application is carried out crosswise, evenly and streak-free using a short-pile roller or alternatively by spraying. Prior to spray application, please ask for our technical advice.

Repacryl-mixture as Concrete Retouch and glaze is applied usually in one layer. However two and more layers are possible.

**Processing as Concrete cosmetics additive:** Repacryl and water are mixed homogeneously in a 1:1 to 1:3 ratios. Approximately 3 parts by volume (p.b.v) of the Emcefix or Nafuquick fillers are poured into the mixture. Mix with a slow-rotating agitator, e.g. Collomix Xo 6 HF with agitator DLX, until a lump free, homogenous and workable consistency has been achieved.

MC's cosmetic fillers with Repacryl can be applied as well at temperatures around 0 °C. An essential requirement is the substrate pre-heating with a burner. Following the filler application the surfaces can be dried fast by using heat gun or a burner.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	1.6	
Mixing ratio (with water)	kg/l	approx. 2 : 1 - 1 : 4 approx. 1 : 1 - 1 : 3	for concrete retouch cosmetics and glaze for concrete cosmetics additive
Application conditions	°C	≥ 5 ≥ 35	air, substrate and material temperatures
	%	< 85	rel. humidity
Consumption	g/m <sup>2</sup>	approx. 150	depending on substrate and application
Water permeability	kg/m <sup>2</sup> ·h <sup>-0.5</sup>	0.67	grade W1 per EN 1062-3
Solids content	Vol.-%	approx. 56	
Resistance to diffusion (against water vapour H <sub>2</sub> O)	m	0.2	at 120 µm dry layer thickness
Resistance to diffusion (against carbon dioxide CO <sub>2</sub> )	m	9.41	at 314 µm dry layer thickness
Carbon dioxide permeability	grade	0	EN 1062-6
Dry to the touch after	minutes	> 15	depending on substrate
Rain resistant after	hours	2 - 4	depending on temperature
Colour stability – Fb-Code		B1	Group 1: Very good lightfast inorganic pigments according to BFS Leaflet No. 26

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

Equipment cleaning agent	water
Colour	light grey, light grey, Concrete grey, agate grey, miscible with one another, dilutable with water
Delivery form	15 kg bucket; 1 palett (33 buckets 15 kg each) 25 kg bucket, 1 palett (16 buckets 25 kg each)
Self-monitoring	EN ISO 9001
Storage	Can be stored in cool and dry conditions for at least 24 months in original unopened packs.
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 : BSW20

**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. [2300018800]