

# Repacryl

## Coloured concrete finish for Concrete retouch and glaze

### Product Properties

- Based on a copolymer dispersion, can be diluted 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
- Very good colour stability acc. to BFS bulletin No. 26
- Moderately reduced water absorption, class W1 acc. to EN 1062-3
- Matt, available in three 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 in combination with MC-Color Proof only

#### 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 Notes

#### 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-Top 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 Data for Repacryl

Characteristic	Unit	Value*	Comments
Colour		pale grey light grey concrete grey	Miscible with one another, dilutable with water
Colour stability Fb-Code		B1	Group 1: Very good, stable inorganic pigments acc. to BFS bulletin No. 26
Density	kg/dm <sup>3</sup>	1.6	
Mixing ratio for Concrete retouch and glaze for Concrete cosmetics additive	p.b.v. p.b.v.	2 : 1, 1 : 1-4 1 : 1-3	Repacryl : water Repacryl : water
Solid content	Vol. %	56	
Consumption	g/m <sup>2</sup>	approx. 150	Repacryl-mixture, single-layer depending on the substrate
Diffusion resistance $s_d$ against water vapour against carbon dioxide	m m	0.2 9.41	At 120 $\mu\text{m}$ dry layer thickness At 314 $\mu\text{m}$ dry layer thickness
Carbon dioxide permeability	Class	C <sub>0</sub>	None requirements acc. to EN 1062-6
Water permeability	kg/m <sup>2</sup> h <sup>0.5</sup>	0.67	Class W <sub>1</sub> , acc. to EN 1062-3
Touch-dry	Minutes	> 15	Depending on the substrate
Rain proof	Hours	2 - 4	Depending on the temperature
Processing conditions	°C %	$\geq +5 - \leq +35$ < 85	Air, material and substrate temperature Relative humidity

## Product characteristics for Repacryl

Internal production monitoring	DIN EN ISO 9001
Equipment cleaning agent	Water
Storage	Can be stored for at least 12 months in closed packs under frost-free and dry conditions.
Form of Delivery	15 kg bucket; 1 palett (33 buckets 15 kg each) 25 kg bucket, 1 palett (16 buckets 25 kg each)
Disposal	To protect our environment please empty the packs completely!

\* All technical values were determined in laboratory, at a temperature of 20 °C and 50 % relative humidity, if not otherwise stated.

### Safety advice

Please take notice of the safety information and advice given on the packaging labels, Safety Data Sheets and General Application Advice. GISCODE: BSW20; Water hazardous class: 1

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 12/18. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.