

Zentricryl RBS

Crack-bridging, filled texture coating

Product Properties

- Ready-to-use, water-based pure acrylate dispersion, highly flexible
- Weather- and UV-resistant
- Resistant to frost-thaw and temperature changes as well as de-icing salts
- Open to water vapour diffusion, carbonation retarding
- Water dilutable up to 15 %
- Can be overcoated with EmceColor-flex
- Application by roller, brush or spraying technique
- Certified in accordance with EN 1504 part 2
- Certified in accordance with DIN 4102-1 building material class B2
- Certified and approved in accordance with DIN V 18026, OS 5a system

Areas of Application

- Suitable for use on concrete, light-weight concrete, porous light-weight concrete, cement-plaster, sand-lime brick, clinker, washed-out concrete
- Old coats, in combination with Zentrifix CR finish
- Surface protection for non-driven-on surfaces
- Suitable for use in areas sprayed with de-icing salts
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application
- Principle 1, 2 and 8; procedure 1.2, 2.2 and 8.1 (EN 1504-9)

Application

Substrate Preparation

See leaflet "General Application Advice for Surface Protection Systems".

Application

Zentricryl RBS is ready-to-use and must be mixed thoroughly before application. It can be applied by roller, trowel or spraying. Short pile paint rollers should be used when this product is applied by roller. For spraying a variably adjustable worm pump is necessary. The ideal discharge flow for a uniform spraying result is 1 litre/minute. If planning to use the spraying method please ask for our assistance or an equipment planner leaflet.

The product must not be applied in case of rain, high humidity, frost or frost warnings. Freshly applied coats must be protected from dew, rain and frost. Avoid direct sunlight.

System Build-up

Depending on the area of application and the substrate, Zentricryl RBS is applied in one or several layers. If used on wash-out concrete and masonry, Zentricryl RBS is diluted with 15 % water for the first work-step.

Betonflair Uniprimer should be applied before applying Zentricryl RBS on plastered substrates. Pores, cavities and surface roughness must be filled with Zentrifix CR finish before applying Zentricryl RBS on concrete and light-weight concrete.

Overworking Times, Rain Proof

Refer to table "Technical Data".

General Information

Zentricryl RBS is available in various colour-shades. If special colours are delivered a system-specific colour-brilliance is achieved. Slight deviations from the MC-colour chart are possible. A second work-step may be necessary on smooth moulded substrates.

Zentricryl RBS dries with a satin-finish. If a matt finish is required the surface can be rolled once or twice with EmceColor-flex.

If used on non-absorbent substrates, e.g. glazed or fired clinker, a primer must be applied beforehand.



Technical Data for Zentricryl RBS

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	1.40	
Solid content	%	60	
Dry to touch	hours	approx. 4	
Diffusion resistance against water vapour	m	0.34	at 360 µm dry layer thickness
Diffusion resistance against carbon dioxide	m	> 200	at 360 µm dry layer thickness
Crack-bridging category acc. to DIN V 18026	- 20 °C	B 3.1	at 360 µm dry layer thickness
Crack-bridging static	mm	approx. 1.3 approx. 1.8	at 0.5 mm dry layer thickness at 1.0 mm dry layer thickness
**Coverage rates on masonry and porous light-weight concrete	g/m ²	ap. 400 - 600 ap. 800 - 1,000	base coat top coat
**Coverage rates on plaster	g/m ²	ap. 100 - 200 ap. 400 - 600 ap. 600 - 800	priming with Betonflair Uniprimer base coat top coat
**Coverage rates on wash-out concrete	g/m ²	ap. 800 - 1,000 ap. 1,000-1,500	base coat top coat
**Coverage rates on concrete, light-weight concrete and old coatings	g/m ²	ap. 800 - 1,000 ap. 500 - 600	pore- and cavity-filling with Zentrifix CR finish top coat
Rain proof	hours	approx. 24 - 48	depending on weather
Application conditions	°C % K	≥ 8 - ≤ 30 ≤ 85 3	air, material and substrate temperature relative humidity above dew point

Product Characteristics for Zentricryl RBS

Delivery	20 kg buckets
Storage	Can be stored for at least one year in original unopened packs. Keep dry and cool. Protect from frost.
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG All/j (75/40 g/l) max 1 g/l VOC

* All values have been determined at 23 °C and 50 % relative humidity.

** The coverage rates depend on roughness, absorbency and kind of substrate.
To determine the object-specific coverage, we recommend laying a sample area.

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 04/12. 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.