



MC-DUR 1200 VK-IN

Low-Viscosity, Highly Fillable,
Transparent epoxy resin

Product Properties

- Two-component, universal epoxy resin for use in industrial areas.
- Highly fillable with mineral aggregate
- Very good adhesion to mineral-based substrates
- High mechanical and chemical resistance when filled with aggregates

Areas of Application

- Primer for mineral-based substrates under solvent-free coatings
- Binder for scratch, filling and levelling – coats
- Bonding agent under reactive resin coating and mortars
- For use in industrial areas or similar

Application Notes

Surface preparation

Before application of **MC-DUR 1200 VK IN primer** all substrates must be verified for load-bearing capacity and prepared by means of a suitable surface blasting method. The substrates must be dry (residual moisture $\leq 6\%$, CM-method), free of cement laitance, dust, oil and other contaminants. A minimum pull-off strength of 1.5N/mm^2 is required. The bonding surface of the substrate must be protected from increasing backwards moisture.

Priming

Application of **MC-DUR 1200VK IN** as primer is carried out by means of Rubber squeegee and/or roller. If it cannot be overcoated within 24 hrs the fresh primer is to be strewn with oven-dried quartz sand (0.1mm – 0.3 mm).

Scratch coat

Scratch and levelling coats of **MC-DUR 1200 VK IN** quartz-sand are applied with steel floats, rubber squeegees and / or adjustable screeding tools onto the primer. The scratch and levelling coat consists of MC-DUR 1200 VK IN and oven-dried quartz-sand (0.1 – 0.3mm) mixed in a ratio of 1:1 p.b.w. if it cannot be overcoated within 24 hrs the fresh scratch coat is to be strewn with oven-dried quartz-sand (0.1 – 0.3mm)

Application

The Properties of **MC-DUR 1200 VK IN** depend on filling ratio and grading curve of the aggregates. Filling ratios of up to 1:3 p.b.w. (Special aggregates SK2) from a liquid-tight mortar if used appropriately. For mixing ratios of 1:4 onwards it must always be applied directly onto a bonding agent of **MC-DUR 1200VK IN** (coverage approx. $300 - 500 \text{ g/m}^2$). Highly filled mortars of up to approx. 1:15 p.b.w still have very good compressive and Flexural-tensile strengths but are additionally coated with MC-DUR 1200VK IN or other MC-DUR Resins to Achieve sufficient liquid tightness.

Application on vertical areas

For Sloped or vertical areas MC-DUR 1200 VK IN is added approx. 3 – 5% by weight MC-Thixotropic Agent TX 19.

General Information

Coverage, application times, resistance to foot traffic and time until full resistance are determined by temperature and site properties and condition. See also leaflet " General application Advice-Reactive Resins".

Exposure to Chemicals and UV-light may cause colour changes, which usually do not affect the properties and usability of the coating. Mechanically and chemically exposed surfaces are subject to wear and tear. Regular check-ups and continuous maintenance are advised.



Technical Data For MC-DUR 1200 VK-IN

Characteristic	Unit	Value	Comments
Mixing ratio	p.b.w	3 : 1	Resin : Hardener
Density	g/cm ³	1.1	
Viscosity	mPa.s	600	At 20 ^o C and 50% relative humidity
Pot Life	min	100	
Resistance to foot traffic after	hrs	12	At 20 ^o C and 50% relative humidity
Time until full resistance	days	7	At 20 ^o C and 50% relative humidity
Application condition	OC	>10, <30	Air, material and substrate temperature
	%	<85	Relative humidity
	K	3	Above dew point

Product Characteristics for MC-DUR 1200 VK-IN

Type of product	Epoxy Based Primer
Form	Resin and hardener
Colour	Transparent
Cleaning Agent	MC-Reinigungsmittel U
Shelf life	12 months from the date of manufacture
Delivery	6X1kg, 5kg,10kg or 30 kg packs
Storage	Can be stored in original sealed packages at temperatures below 20 ^o C (recommended > 15 ^o C - < 20 ^o C) in dry conditions.
Disposal	Empty Packs completely and dispose off carefully to protect our environment

Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

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 binding if given in written form. The accepted engineering rules must be observed at all times.

Edition: - MC/IND/190613, 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.