

MC-DUR 1300 VK Grip

Epoxy resin for durable, anti-skid and noise-reducing coating on bitumen-based substrates

Product Properties

- Slightly thixotropic, two-component epoxy resin
- Plasticized, rapid curing, for use on bituminous traffic routes
- Excellent adhesion to mineral-based substrates, ceramic and steel surfaces
- Durable and highly resistance due to polish-resistant grains
- Ensures a tough and durable anti-skid coating
- Part of the approved Whisper-Grip® system

Areas of Application

- Surface treatment of bituminous substrates (mastic asphalt, hot-rolled asphalt, stone mastic asphalt)
- Coating for bitumen based surfaces
- Primer for mineral-based substrates and non-absorbent surfaces under reactive resin coatings
- Binder for epoxy resin scratch- and levelling coats
- For use in industrial areas or similar

Application

Substrate Preparation/ Mixing

See leaflets "General Application Advice":

"MC-Industrial Floors - Substrate and Substrate Preparation" and "Reactive Resins".

Intensive substrate preparation is especially important in tunnel sections and traffic jam areas – dirt, excessive bitumen layers and other loose particles which may restrain a correct bonding are to be removed.

Application as part of Whisper-Grip® system®

Before application of MC-DUR 1300 VK Grip, all road fixtures and if necessary the stone settlement framework must be protected with self-adhesive masking tape.

MC-DUR 1300 VK Grip is applied by two-component dosage equipment in accordance with ZTV-BEB-StB 02, TL/TP OB-RH. Hereby, the resin is applied evenly and free from atomized spray onto the substrate by means of cast-levelling technique. Afterwards the binder is applied and strewn. Immediately after strewn – the resin did not react yet – the self-adhesive masking tapes are removed.

Depending on substrate temperature (min. +10 °C) waiting intervals of approx. 20 minutes must be observed until full film-forming of the coating. Application on sloped areas is possible up to 7%. For sloped areas >7%, please ask for MC technical advice.

Application as primer

Application of MC-DUR 1300 VK Grip as a primer is carried out by means of steel floats, rubber squeegees and/ or rollers. If it cannot be overcoated within 24 hours, the fresh primer is to be strewn with oven-dried quartz-sand (0.1 - 0.3 mm).

Application on vertical areas

For sloped or vertical areas, MC-DUR 1300 VK Grip is added approx. 3 - 5 weight-% MC-Stellmittel TX 19 (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".

Although extreme mechanical load due to high traffic volume the road grip is improved sustainable and high SRT/SCRIM-values are achieved. Furthermore, the tire noise is obviously reduced.

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 1300 VK Grip

Characteristics	Unit	Value	Comments
Mixing ratio	p.b.w.	2.94 : 1	base : hardener
Density	g/cm ³	approx. 1.080	-
Viscosity	mPa*s	approx. 1300	at 27°C and 75% relative humidity
Pot life	minutes	approx. 13	at 27°C and 75% relative humidity
Pull-off strength	N/mm ²	approx. 38.600	DIN 53455
Elongation at break	%	approx. 4.300	DIN 53455
Application conditions	°C	> 10 - < 40	air, material and substrate temperature
	%	< 85	relative humidity
	K	> 3	above dew point

Product Characteristics for MC-DUR 1300 VK Grip

Cleaning agent	MC-Reinigungsmittel U
Colour	Brownish
Delivery	30 kg pack (Component A - 22.38 kg : Component B - 7.62 kg)
Storage	Can be stored in cool (> 5°C - < 25 °C) and dry conditions for at least 12 months in original unopened packs. Protect from frost!
Disposal	In the interest of the environment, please empty all packs completely & in accordance with local regulations.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets and please take notice of the leaflet "Safety Measures for Handling Coating Materials and Reactive Resins".
GISCODE: RE 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 02/22. 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.