

# MC-DUR TopSpeed

Rapid, moisture compatible roller coating.

- PRODUCT PROPERTIES:**
- Two-component, low-solvent, UV-stable, fast-curing roller coating based on the KineticBoost-Technology®.
  - Curing not related to temperature and moisture influence.
  - Short waiting time between two work steps.
  - High abrasion and scratch resistance.
  - Good resistance against diluted acids, bases and saline solutions.
  - Paint-, roll- and spray application possible.
  - Increased pot time in combination with accelerated curing.
  - Open to diffusion.
  - Registered with DGNB (Code: PGA6ES).

- AREAS OF APPLICATION:**
- Reactive resin for mineral based substrates as floor coatings / industrial floors.
  - Surface protection system OS 8/OS 10 according to DAfStb Rili SIB 2001, DIN EN 1504-2 and DIN V 18026.
  - Refurbishment of old coatings.
  - Application even under bad weather conditions.
  - REACh- assessed exposure scenarios: application, permanent inhalation, watercontact periodical.

- INSTRUCTIONS TO USE:**
- **Substrate preparation:** See leaflets "General Application Advice", "Industrial Flooring - substrate and Substrate Preparation" and "Reactive Resins".
  - **Priming:** Depending on the requirements MC-DUR TopSpeed SC or MC-DUR 1177 WV-A. Other Epoxy based primer, respective scratch coat, must be slightly strewn with quartz sand 0.1 - 0.3 mm.
  - **Application sealer: MC-DUR TopSpeed** is rolled crosswise, strip- and lap free, on top of the cured primer. For optimal coloration, 2 work steps are required. The minimum waiting time between 2 work steps is 2 hours and max. 12 hours.
  - **Application Anti-Skid Coating:** The first layer of **MC-DUR TopSpeed** is strewn with oven dried quartz sand (0.3 - 0.8 mm) immediately after the application. The surface is slightly repelled and cleaned by hover. **MC-DUR TopSpeed** is applied with a hard rubber float (Coverage approx. 500 g/m<sup>2</sup>) and rolled over. For an application in mechanical stressed areas please contact us for further advice.
  - **Application on old coatings:** The existing PU- or EP-based coating is slightly grinded and hovered. Furthermore, the surface is cleaned with a mild cleaner and afterwards washed with clean water. **MC-DUR TopSpeed** is rolled crosswise, strip- and lap free, on top of the cured primer. For optimal coloration, 2 work steps are required. A test area is recommended before application.
  - **General information:** For spray application please call the department for technical advice. See also leaflet "General Application Advice - Reactive Resins". Ensure thorough mixing of the base and the hardener component. Following mixing material is to be re-potted into a clean container and mixed again. Exposure to chemicals may cause color 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. Concerning the batch colour consistency, please note the general information on the leaflet "General Application Advice - Reactive Resins". In case of contact with disinfectants or bleaching agents such as chlorine, peroxide and sodium hypochlorite solutions, the colour of the coating surface may fade and microcracks and detachments may occur. This is typical for reactive resin coatings and is not a reason for complaints.

## TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	150 : 83	base component : hardener component
Density (mixture)	g/cm <sup>3</sup>	approx. 1.34	at 20°C and 50 % rel. humidity
Viscosity	mPa·s	approx. 900	at 20°C and 50 % rel. humidity
Working time (10 kg container)	minutes	approx. 120	at 20°C and 50 % rel. humidity
Overworkable after	hours	> 2 < 12	at 20°C and 50 % rel. humidity
Accessible after	hours	2 - 4	depending on layer thickness and temperature / moisture content
Resilient after (full)	hours	approx. 48	at 20°C and 50 % rel. humidity
Application conditions <sup>1)</sup>	°C %	≥ 2 ≤ 35 ≥ 50	air, substrate and material temperatures temperature must not fall below dew point
Consumption:			
• As a roller coating	g/m <sup>2</sup>	approx. 150 – 400	per operation
• Top seal coat		approx. 500 - 600	depending on strewing material and grain size

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

1) Viscosity and consumption depending on material temperature. For ideal consumption quantities and application properties, a material storage at approx. 20 °C is recommended.

## PRODUCT CHARACTERISTICS:

<b>Equipment cleaning agent</b>	MC-Reinigungsmittel U.
<b>Colour shade</b>	MC-grey, approx. RAL 7030, approx. RAL 7032, other colours on request.
<b>Delivery form</b>	10 kg and 20 kg packs.
<b>Storage</b>	Can be stored in cool (below 20°C) and dry conditions for 24 months in original unopened packs. Protect from frost.
<b>Packaging disposal</b>	Make sure single-use containers are completely empty.
<b>EU Regulation 2004/42 (Decopaint Directive)</b>	RL2004/42/EG AII/j (500 g/l) < 500 g/l VOC.

**Safety Instruction:** Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : PU30.

**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 version: **08.03.2023**. 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.