

# MC-DUR 200

## Primer and sealer.

- PRODUCT PROPERTIES:**
- Primer and sealer for MC-DUR 230 and MC-DUR 260.
  - High mechanical, thermal and chemical resistance.
  - Solvent-free.

- AREAS OF APPLICATION:**
- Food industry.
  - Metal and chemical industry.
  - Washing and tank interior cleaning facilities.
  - REACH-rated exposure scenarios: Inhalation: periodically, Water contact: periodically, Processing.

- APPLICATION ADVICE:**
- **Substrate preparation:** See instruction leaflet "Substrate and Substrate Preparation". For surfaces with hot loads (> 60°C), reaction resin-bonded and bituminous layers are not permitted in the substrate.
  - **Bonding grooves:** To prevent the coating from cupping, bonding grooves (depth and width of the bonding grooves = at least twice the layer thickness) must be cut into the substrate close to the edge on all free edges of a day section and on all components penetrating the coating.
  - **Mixing:**
    - MC-DUR 200 consists of four components, component A (base), component B (hardener), component C (aggregate) and MC-DUR Color component D (pigment), which are supplied in containers with matching quantities. Shake the containers of components A and B before use.
    - First put component A into a clean mixing vessel and stir in component D MC-DUR Color (pigment). Then stir in component B. Stir the liquid components with a slow-running stirrer for approx. 1 minute until a homogeneous, streak-free mixture is obtained. The aggregate (component C) is now added to the premixed resin components and mixed homogeneously. The use of a compulsory mixer is required for mixing the resin components with the aggregate. The mixing time depends on the prestorage temperature of component C. At 18 to 22°C, a mixing time of 3 minutes must be observed.
  - **Application as primer:** After mixing, MC-DUR 200 is rolled onto the substrate and sprinkled with oven-dried quartz sand 0.5 - 1.2 mm when fresh. The primer can be recoated after 12 hours at 20°C at the earliest. The grooves are also primed. Make sure that no excess material of the primer fills the bonding grooves.
  - **Application as a sealer:** The unbound scattering grain is to be removed before applying the sealer. MC-DUR 200 is poured onto the substrate after mixing and then immediately spread evenly with a hard rubber float or rubber squeegee. Then roll on fresh in fresh with a short-pile lambskin roller.
  - **Important notes:** The optimum temperature of the components during mixing and processing is between 15 and 25°C. In addition to the material temperature, the temperature of the substrate is important when working with PU/mineral hybrid floors. At low temperatures, the chemical reactions are delayed; this also extends the recoating and walkability times. At the same time, the viscosity increases. At high temperatures, the chemical reactions are accelerated, so that the times listed in the table are shortened accordingly. The resulting surface structure is strongly dependent on the construction site conditions as well as the processing. Due to the short reaction time, the coating measures must be well planned and prepared. Consumption quantities, application time, walkability and achievement of load-bearing capacity depend on the temperature and project conditions. Please refer to the information sheet "Processing of Reactive Resins". Please observe the further notes in the section "Processing of Reactive Resins" with regard to batch colour consistency. PU/mineral hybrid floors are functional floor coatings and are not colour-stable. Chemical stress and exposure to light can lead to changes in colour shade, which generally do not affect the suitability for use. It is recommended to regularly check and maintain chemically and mechanically stressed surfaces.

#### TECHNICAL DATA:

Characteristic	Unit	Value	Comment
Mixing ratio	mass fractions	2.85 : 3 : 3 : 0.18	base component : hardener component : aggregate : pigment
Density	g/cm <sup>3</sup>	1.38	
Working time	minutes	15	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 8	at 20° C and 50 % rel. humidity
Resilient after	hours	approx. 24	at 20° C and 50 % rel. humidity
Resilient after (mechanically full)	hours	approx. 48	at 20° C and 50 % rel. humidity
Application conditions 1)	°C	> 10 < 30	air and substrate temperatures
	%	< 85	rel. humidity
	K	3	above dew point
Consumption:			
▪ Primer	kg/m <sup>2</sup>	0.4	depending on strewing material and grain size
▪ Top seal coat		0.6 - 0.8	

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

1) Viscosity and consumption depending on material temperature.

#### PRODUCT CHARACTERISTICS:

<b>Equipment cleaning agent</b>	MC-Verdünnung PU
<b>Colour</b>	Dark grey; Light grey; Red; Green; Blue; Yellow.
<b>Delivery form</b>	Component A: 2.85 kg canister Component B: 3 kg canister Component C: 3 kg bucket MC-DUR Color: 180 g bag
<b>Storage</b>	Store in cool (below 20°C) and dry conditions. Protect from frost. Component A, B & MC-DUR Color: 12 months Component C: 8 month
<b>Packaging disposal</b>	Make sure single-use containers are completely empty.
<b>EU Regulation 2004/42 (Decopaint Directive)</b>	RL2004/42/EG All/j (500 g/l) < 500 g/l VOC

**Safety instructions:** Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : PU40.

**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 01/2025.** 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.