

MC-DUR 2095 ESD

Matt, conductive polyurethane sealer



PRODUCT PROPERTIES

- Two-component, pigmented polyurethane resin sealer
- Colour-stable under UV influence, open to diffusion
- ESD-floor coating, electrostatic conductive
- Sealer with high durability under low or medium mechanical loads
- Resistant to water exposure, diluted acids and alkaline solutions, as well as numerous organic chemicals (see Table of Chemical Resistance)

AREAS OF APPLICATION

- Coating for electronics industry and clean rooms
- ESD-areas (EPA), with ESD-shoes suitable for earthing of persons
- Economical repair of old conductive floors
- REACh-assessed exposure scenarios: periodical water-contact, long-term inhalation, application

APPLICATION ADVICE

Substrate preparation/Mixing: See leaflets "General Application Advice": "Industrial Flooring - Substrate and Substrate Preparation" and "Reactive Resins".

Priming: MC-DUR 1200 VK, see technical data sheet "MC-DUR 1200 VK"

Scratch Coat: Scratch coat consisting of MC-DUR 1200 VK and oven-dried quartzsand (0.1 - 0.3 mm). See technical data sheet "MC-DUR 1200 VK". To approve optical appearance we recommend to grind the scratch coat with a disc grinder. Grinding dust is to be removed thoroughly by vacuum cleaning.

Coating, conductive: 12 to 24 hours after application of the scratch coat the earthing terminals are to be set in a maximum distance of 15 meters. Afterwards MC-DUR 2095 ESD is applied crosswise with a short-pile roller in two worksteps. To achieve an uniform gloss of the surface, connecting areas must be applied within 5 minutes after application of the previous area. For repair or overcoating of old or defect conductive floors please request our technical advice.

Cleaning: To maintain the conductive properties of the floor it must not be cleaned with cleaners leaving residues or with polish. A suitable cleaner is "MC-Duroprop B" (see technical data sheet "MC-Duroprop B"). The cleaning intervals depend on intensity of use.

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". Concerning the batch colour consistency, please note the general information on the 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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 17.5	base component : hardener component
Density	g/cm ³	approx. 1.41	
Viscosity	mPa s	approx. 2,000	at 20° C and 50 % rel. humidity
Working time	minutes	approx. 20	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 12	at 20° C and 50 % rel. humidity
Resilient after (full)	days	7	at 20° C and 50 % rel. humidity
Solids content	Vol.-%	approx. 55	
Application conditions	°C	≥ 10 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	g/m ²	150 - 200	one- or two-layered, depending on colour
All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.			
Equipment cleaning agent	MC-Reinigungsmittel U		
Colour	MC-grey, RAL 7032, RAL 7035, other colours on request		
Delivery form	10 kg packs		
Storage	Can be stored in cool (below 20°C) and dry conditions for 12 months in original unopened packs. Protect from frost.		
Packaging disposal	Make sure single-use containers are completely empty.		
EU Regulation 2004/42 (Decopaint Directive)	RL2004/42/EG All/j (140 g/l) ≤ 140 g/l VOC		

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : PU20

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018209]