



## MC-DUR 111 eco

Water-based, epoxy resin dispersion

### Testings / Approvals/ Sustainability properties

- GISCODE RE10
- Emission test according to AgBB evaluation system
- phthalate free, tin free, cementless
- VOC content according to EU regulation 2004/42 (Decopaint-Directive): RL2004/42/EG All/j (140 g/l) ≤ 140 g/l VOC

### INGREDIENTS / EMISSIONS

biocides	not included (not part of the recipe)	
CFC free	yes	
formaldehyde content	< 10 µg/m <sup>3</sup> nach 72 h (DIN EN ISO 16000-9)	
halogenated hydrocarbons	not included (not part of the recipe)	
HCFC free	yes	
semi-volatile organic compounds (SVOC)	< 100 µg/m <sup>3</sup> nach 72 h (DIN EN ISO 16000-9 bzw. DIN EN 16402)	
styrol	Not included (not part of the recipe)	
Emicode	EC 1 <sup>Plus</sup> product group 1	
		µg/m <sup>3</sup>
	TVOC after 3 days	≤ 750
	tvoc after 28 days	≤ 60
	TSVOC after 28 days	≤ 40
	R-value based on AgBB-NIK values after 28 days	≤ 1
	Sum of non-assessable VOCs	≤ 40
	formaldehyde after 3 days	≤ 50
	Acetaldehyd after 3 days	≤ 50
	total of form- and aetaldehyde	≤ 0.05 ppm
	Sum of volatile K1A/K1B substances after 3 days	≤ 10
	Any volatile K1A/K1B substance, after 28 days	≤ 1

### BUILDING CERTIFICATIONS

#### DGNB

- registration code: **LA9MUU**
- Suitability according to the criteria matrix of the DGNB criterion ENV1.2 "Risks for the local environment"

No.	Location	Product type	Quality levels			
			1	2	3	4
24	EP-/PU primers (including screeds) and coatings for floor and wall surfaces (e. g. skirting boards) with special requirements	Industrial floorings, parking areas and underground garages (OS (surface protection) 8, 10, 11 among others) with the exception of markings (not regulated)	✓	✓	✓	✓

No.	Location	Product type	Quality levels			
			1	2	3	4
23	EP-products for coating mineral surfaces: floors, ceilings and walls – including in system structures with not special requirements	Seals, 2K EP paints, EP floor coatings – with the exception of OS (surface protection) systems for car parks, etc.	✓	✓	✓	✓

## BNB

- Suitability according to Annex 1 of the BNB criterion 1.1.6 "Risks for the local environment"

## Version 2015

No.	Location	Building product type	Quality levels				
			1	2	3	4	5
19	Sealers (self-levelling coatings) for mineral substrates - except surface protection systems for multi-storey car parks, etc. (see item 20)	Epoxy resin coatings - also 1C and 2C system set-ups	✓	✓	✓	✓	✓

No.	Location	Building product type	Quality levels				
			1	2	3	4	5
20a	Sealers and self-levelling coatings for industrial floors, parking areas (interior and exterior) and underground car parks incl. base coatings (OS 8 and 11), except of markings (not regulated).	Epoxy resin and PU coatings (also in combination) with special resistance requirements for floor and wall surfaces	✓	✓	✓	✓	✓

LEED  
LEED v.4.1

Category	Criteria	
Material & Resources	MRC2 (Environmental Product Declaration)	The product has a sample EPD Declaration
	MRC4 (Material Ingredients)	According to the current state of knowledge, the product does not contain any REACH Candidate List substances of very high concern (SVHC)

Category	Criteria	
Indoor Environmental Quality	EQc2 (Low-Emitting Materials)	VOC Emissions Flooring: please see section Ingredients/ Emissions and our documentation for building certifications of this Sustainability Data Sheet
Regional Materials	-	Production site:  DE-46238 Bottrop  Distance production site - construction site < 800 km. If the product is used within a radius of < 800 km from the production site it can contribute to achieving LEED points.

## ENVIRONMENTAL PRODUCT DECLARATION (EPD)

<input checked="" type="checkbox"/>	Product EPD is available.
<input type="checkbox"/>	Product specific epd available
<input checked="" type="checkbox"/>	Sample EPD is available
Declaration No	EPD-DBC-20220176-IBF1-EN (Products based on epoxy-resin, group 3)

## DISPOSAL

Product	See safety data sheet (section 13)
Packaging	Make sure single-use containers are completely empty.
Recycling concept	Kunststoffverpackung Interseroh 27638

## DOCUMENTS FOR BUILDING CERTIFICATIONS

Documents available	<a href="#">Technical Data Sheet</a> <a href="#">Technical Data Sheet</a> <a href="#">Environmental Product Declaration (EPD)</a> Safety data sheet
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## PRODUCT LABEL

Product and company specific label	 
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**Legal notice:** The information given in this data sheet is based on our experience to the best of our knowledge, but is non-binding. They are to be adapted to the individual construction project, the intended use and the specific local exposition. The project conditions that deviate from the standard application must be checked in advance by the planner and require his individual approval. The technical advice provided by MC's technical experts does not replace the planning work on the history of the building. Assuming this, we are liable for the correctness of this information within the framework of our sales and delivery conditions. Recommendations from our employees that deviate from the information in our leaflets are only binding for us if they are confirmed in writing. In any case, the generally recognized rules of construction technology need to be respected. Due to innovations in the certification systems listed, the information provided may no longer correspond to the current certification principles. [3.4]