TECHNICAL INFORMATION

GEHOPON-E20

2C-EP Roller Coating
coloured, low solvent content

■ FIELDS OF APPLICATION

GEHOPON-E20 is used as top coating on sanded epoxy resin coatings. Because of the special rheological properties of the material it is possible to achieve even surfaces on the sanding by roller coating.

■ PRODUCT PROPERTIES

GEHOPON-E20 is a coating material based on a two-component epoxy resin with a low solvent content and contains pigments as well as fine-grained fillers.
After curing, top coatings made of GEHOPON-E20 are highly resistant to mechanical stresses, abrasion and pressure. Furthermore vehicle traffic on the coating is possible.

Capacities

Cured GEHOPON-E20 is resistant to petrol and oil as well as to a large extent resistant to alkalis, acids and organic solvents.

Test certificates

For sanded coatings:
Test certificate of the Berufsgenossenschaftlichen Institut f. Arbeitsschutz (BGIA) Sankt Augustin/Germany on the non-skid capacities of floor coatings: **Rutschhemmung R12** / **V6**.

For plane surfaces:
Test certificate of the Berufsgenossenschaftlichen Institut f. Arbeitsschutz (BGIA) Sankt Augustin/Germany on the non-skid capacities of floor coatings: **Rutschhemmung R10**.

■ PRODUCT DATA

	GEHOPON-E20 (glossy)	GEHOPON-E20 (satin glossy)
Product number	E20-G.... (depending on colour)	E20-S.... (depending on colour)
Mixing ratio	4 : 1 with curing agent EX-6	6 : 1 with curing agent EX-6
Colours	E20-G7532	E20-S7532
	Pebble grey approx. RAL 7032, other colours on request	
Degree of gloss	Glossy	Satin glossy

Shelf life

At least 12 months in original cans at normal temperature.

Consumption

0.5 to 0.7 kg/m² on sanded coatings (depending on roughness)
0.2 to 0.3 kg/m² on plane surfaces

■ TECHNICAL DATA

Notes referring to Directive 2004/42/EC „Decopaint-Directive“

Subcategory as referred to in Annex IIA	VOC limit values (Phase II from 2010)	Max. VOC content of the product in its ready for use condition (including the max. amount of diluents as given in “Application methods”)
J (“Two-pack reactive performance coatings”) Type SB	500 g/l	< 500 g/l

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Coating systems

Substrate	Concrete, cement screed	
Surface preparation	For best results: ball blasting	
Primer Theoret. consumption:	GEHOPON-E175 or GEHOPON-E160 0.3 to 0.5 kg/m² or 0.4 to 0.6 kg/m²	GEHOPON-E175 or GEHOPON-E160 0.3 to 0.5 kg/m² or 0.4 to 0.6 kg/m²
Coating Theoret. consumption:	GEHOPON-E175 or GEHOPON-E160 (Roller coating) approx. 0.5 kg/m²	GEHOPON-E600 self-spreading coating approx. 1.5 kg/m²
Sanding	Sanding of fresh roller coating in excess with quartz sand of the grain size 0.3 to 0.8 mm	Not applicable
Top coating Theoret. consumption:	GEHOPON-E20 0.5 to 0.7 kg/m²	GEHOPON-E20 filled with 10 % quartz sand (0.06 to 0.3 mm) 0.2 to 0.3 kg/m²
Non-skid Capacities	R12 / V6	R10

■ INSTRUCTIONS FOR APPLICATION

Substrate Existing coatings must be dry as well as free of loose parts and contaminants.

Surface preparation Cleaning, if necessary grinding.

Processing conditions

Air and surface temperature Minimum 10 °C, maximum 25 °C.
Optimal results will be achieved at temperatures of 15 to 25 °C.

Attention:
If the air or surface temperature rises during application on a porous substrate, bubbles can occur. For this reason, the coating should be applied at a constant or falling temperature on a non-porous substrate.

Relative humidity Max. 80 % relative humidity.

Do not apply under dew point conditions.

The influence of moisture during the curing can result in discolouring or hazing.

Comments on processing

Mixing Mix GEHOPON-E20 thoroughly with the enclosed curing agent using a mechanical mixer for approx. 5 minutes until a homogenous and unclouded mixture is produced. Then pour into another container. After repeated stirring the material is ready for use.

Application methods Roller coating

Cleaning of equipment With thinner V-538

Cured material must be removed mechanically.

Pot life 30 to 90 minutes (depending on temperature)

Drying and curing time Foot traffic after 12 to 16 hours (at a temperature of +20 °C).

Full resistance to mechanical and chemical stresses after 7 to 14 days depending on temperature.

■ SAFETY MEASURES

The curing agent produces an alkaline reaction on skin and mucous membrane (eyes). Soiling must be avoided. In case of direct contact clean thoroughly with water and soap.

The relevant data concerning safety measures can be found in the material safety data sheet of this product.
The valid issue of the material safety data sheet is available from our website www.geholit-wiemer.de.