

**2C-EP Roller Coating
wear-resistant, non-skid, electrically conductive**

■ **FIELDS OF APPLICATION**

GEHOPON-E26A is used to produce seamless thin floor coatings on mineral substrates such as concrete or cement screed, in combination with suitable primer coatings. The achieved coatings fulfil high requirements on mechanical strength, resistance to chemicals as well as wear resistance, e.g. in production rooms, storerooms, motor vehicle halls and hangars, energy and water supply plants, railway stations, workshops, laboratories, corridors etc.

Together with suitable electrically conductive sealers it is possible to produce coatings of good electrical conductivity. Ground conduction resistance after total curing: $\leq 10^6 \Omega$ (measured according to EN 1081 and EN ISO 61340-4-1).

■ **PRODUCT PROPERTIES**

GEHOPON-E26A is a solvent-free, coloured coating material based on a two-pack epoxy resin, which contains pigments and fine-grained fillers as well as silicon carbide (carborundum) as supplement.

GEHOPON-E26A can be applied quickly and easily. Cured coatings are resistant to mechanical and chemical stresses.

Capacities

Cured GEHOPON-E26A is resistant to water, oil and petrol as well as to a large extent resistant to alkalis, acids and solvents.

Test certificates

Test certificate of the Berufsgenossenschaftlichen Institut f. Arbeitsschutz (BGI/A) Sankt Augustin/Germany on the non-skid capacities of floor coatings: **Rutschhemmung R9**.

■ **PRODUCT DATA**

GEHOPON-E26A, Comp. A

GEHOPON-E26A, Comp. B

Product number

E26A- (depending on colour)

EX-83C

Mixing ratio

6 parts by weight

1 part by weight

Colour

pebble grey approx. RAL 7032
E26A-7532

whitely, paste-like

(other colours available on request)

Degree of gloss

Glossy

Shelf life

At least 12 months in original cans at normal temperature.

Theoretical consumption

0.6 to 0.7 kg/m² for a dry film thickness of approx. 0.5 mm

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

■ TECHNICAL DATA

Parameter	Capacity	Value
	Adhesive strength on concrete	≥ 2.5 N/mm ² (fracture in concrete)
	Ground conduction resistance according to EN 1081 and EN ISO 61340-4-1	R ₂ ≤ 10 ⁶ (on electrically conductive coat)

Coating systems	System	non-skid roller coating	non-skid, electrically conductive roller coating
	Substrate	Concrete, cement screed	
Surface preparation	For best results: ball blasting		
Primer	GEHOPON-E175 or GEHOPON-E160		
Theoret. consumption:	0.3 to 0.5 kg/m ² or 0.4 to 0.6 kg/m ²		
Full-scale filler	GEHOPON-E175 or GEHOPON-E160 plus up to 100 % by weight quartz sand of the grain size 0.1 to 0.4 mm		
Theoret. consumption:	0.4 to 1.0 kg/m ²		
Copper tapes			Attach copper tapes and connect to ring line
Conductive layer (1 working operation)			GEHOPON-EW11A- Leitlack, EW11A-9201
Theoret. consumption:			approx. 0.10 to 0.15kg/m ²
Coating	GEHOPON-E26A		
Theoret. consumption:	0.6 to 0.7 kg/m ²		

■ INSTRUCTIONS FOR APPLICATION

Substrate The substrate must be dry, free of loose and sand-releasing parts, dust, cement slurry and other contaminants and must fulfil the following requirements:

- Concrete: min. C 20/25
- Cement screed: mind. CT-C35-F5 (ZE 30)
- Adhesive strength: min. 1.5 N/mm²
- Residual moisture: < 2 % (measured according to CM method)

Surface preparation Layers with insufficient load-carrying capacity, cement slurry and oily contaminants have to be removed mechanically, e.g. by ball blasting or by using a rotary hoe.

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-E26A thoroughly with the enclosed curing agent using a mechanical mixer until a homogenous and unclouded mixture is produced. Then pour into another container. After repeated stirring the material is ready for use.

Remark: Curing agent EX-83C is whitely paste-like.

Application methods GEHOPON-E26A is usually applied with a trowel and then scraped sharply over the silicon carbide tops. Finish by rolling with a moltopen roller.

Cleaning of equipment With thinner V-538

Pot life 30 to 60 minutes (depending on temperature)

Waiting time between working operations

	+ 10 °C	+ 20 °C	+ 25 °C
Minimum	24 h	12 h	8 h
Maximum	2 days	36 h	30 h

Times relevant only if no sanding was made.

Drying and curing time Foot traffic after 12 to 16 hours.
Full mechanical resistance and resistance to chemicals after 7 days, related to a temperature of 20 °C.

■ **CE LABELLING**

CE Labelling in accordance with EN 13813

EC Declaration of conformity in accordance with EN 13813

■ **SAFETY MEASURES**

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.

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