



per 03/2025

KOROPHALT 02

mineral, hydraulic setting, highly flowable special filling mortar for semi-rigid wearing course

DESCRIPTION

KOROPHALT 02 is a cementitious, non-shrink, high early strength special filling mortar for the production of semi-rigid top layers for industrial and traffic areas, also coloured available! KOROPHALT 02 combines the features of a high strength grouting mortar with the flexibility of bitumen-bound systems.

APPLICATION

KOROPHALT 02 is used for the production of mechanically heavy duty wearing layers for container terminals, airports, storage spaces, traffic lanes, car parks, freight forwarder charging stations etc.

PROPERTIES

- highly flowable
- low shrinkage
- short setting time
- high load bearing capacity
- jointless construction
- short construction time
- low construction height

TECHNICAL DATA

Grain size	0 - 0,25 mm	
Colour	cement grey / anthracite	
Compressive strength at 20 °C acc. to DIN EN 1015-11	after 24 hours	approx. 40 N/mm ²
	after 28 days	approx. 70 N/mm ²
Flexural strength at 20 °C acc. to DIN EN 1015-11	after 24 hours	approx. 5 N/mm ²
	after 28 days	approx. 8 N/mm ²
Volume weight	approx. 2.000 - 2.100 kg/m ³	
Swelling value	≥ 0,1 vol. %	
Water addition	approx. 5,75 - 6,0 l/25 kg	
Temperature processing, ambient and sub-base temperature	≥ 5 °C	
Yield	approx. 12 - 13 l/25 kg bag	

ASPHALT SYSTEM OVERALL

Compressive strength after 28 days at 20 °C acc. to DIN EN 13286-41	sub-base as soft as asphalt	< 8 N/mm ²
	sub-base as hard as concrete	< 12 N/mm ²
Modulus of elasticity after 28 days at 20 °C acc. to DIN EN 12697-26	approx. 10.000 - 12.000 N/mm ²	
Loadable / ready for traffic at 20 °C	after approx. 12 - 24 hours	

PROCESSING

In reference to the information sheet on the "Production of semi-rigid wearing courses", the 4 - 6 cm thick semi-rigid wearing course is placed on a one- or two-coat asphalt base layer. The surface course consists of a specially developed single-grain asphalt supporting structure with 25 - 30 % void content. In the second step, the voids are filled with KOROPHALT 02 special mortar. KOROPHALT 02 can be applied using suitable pan type mixer or stirrer (approx. 400 rpm), for larger areas with suitable mortar pumps, also as silo product, with the proven KORODUR silo technology. Due to its low viscosity, KOROPHALT 02 can flow into the asphalt supporting structure without mechanical assistance. A clean surface, free of excess mortar, is produced by sharply scraping with rubber squeegee.

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AFTER-TREATMENT

Differing temperatures may influence the setting and hardening process. KOROPHALT 02 must be protected from too rapid drying out acc. to DIN EN 13670 / DIN 1045-3.

SUPPLY

25 kg special paper packaging
loose in silo

STORAGE

Dry, like cement. Shelf-life approx. 12 months.

HINTS This product contains cement and has an alkaline reaction with moisture/water. Therefore protect skin and eyes. In case of contact with eyes, consult a doctor. The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: www.korodur.de.



Zertifiziertes
Qualitätsmanagementsystem
DIN EN ISO 9001:2015



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