NEODUR HE 60 rapid

per 09/2025

mineral, dimensionally stable, highly wear resistant fast-setting screed with hard aggregates for topping concrete floors for heavy-duty stress

DESCRIPTION

NEODUR HE 60 rapid is a ready to use cementitious, dimensionally stable, fast-setting screed on the basis of KORODUR hard aggregates in the following qualities

- NEODUR HE 60 rapid:
- NEODUR HE 60 rapid SVS 3:
- NEODUR HE 60 rapid SVS 1,5:
- NEODUR HE 60 rapid metallic:

Processing in one layer as bonded screed on set base concrete, for heaviest stress.

APPLICATION

For the production and repair of quickly usable bonded screeds, with increased wear resistance, as industrial floors for heaviest stress, e.g. car parks, industrial halls, assembly halls, aircraft hangars, workshops, high-bay warehouses and other industrial areas subjected to most severe stress.

SUSTAINABLE CONSTRUCTION

The use of NEODUR HE 60 rapid increases the energy and resource efficiency and conserves natural resources. A hard aggregate industrial floor has an outstanding durability. The service life of a hard aggregate industrial floor is many times longer than that of a pure concrete floor or alternative industrial flooring systems. For further information contact KORODUR.

PROPERTIES

- fast-drying and shortened construction time
- dimensionally stable
- low shrinkage
- fast- and crack-free setting
- quickly usable and ready for covering
- highly wear resistant also under heaviest stress
- high surface density, resistant to gasoline, mineral oil, solvents
- forklift resistant
- water-resistant, suitable in wet areas
- anti-skid, non-slip
- frost and de-icer resistant (in combination with KOROMINERAL Li+)
- electrostatically non-chargeable
- physiological and ecological harmless
- consistent quality ensured by quality assurance acc. to DIN 13813

TECHNICAL DATA

Quality	HE 60 rapid HE 60 rapid SVS 3 HE 60 rapid SVS 1,5 HE 60 rapid metallic	CT-C60-F8-A6 CT-C60-F8-A3 CT-C60-F8-A1,5 CT-C60-F8-A3
Granulometry	all qualities	0 - 5 mm
Colour	all qualities	cement grey
Wear resistance abrasive wear acc. to Böhme acc. to DIN EN 13892-3	HE 60 rapid HE 60 rapid SVS 3 HE 60 rapid SVS 1,5 HE 60 rapid metallic	≤ 5,0 cm³/50 cm² ≤ 3,0 cm³/50 cm² ≤ 1,5 cm³/50 cm² ≤ 3,0 cm³/50 cm²
Compressive strength [N/mm²] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	all qualities	C60
Flexural strength [N/mm²] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	all qualities	F 8
Temperature processing, ambient and sub-base temperature	all qualities	≥ 5 °C
Processing time depending on ambient temperature	all qualities	approx. 45 - 60 minutes

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Water addition	HE 60 rapid HE 60 rapid SVS 3 HE 60 rapid SVS 1,5 HE 60 rapid metallic		approx. 2,75 l/25 kg bag
Residual moisture CM-measuring after installation	all qualities		after 24 hours approx. 5,9 % after 3 days approx. 1,9 % after 28 days approx. 1,3 %
Layer thickness	all qualities		10 mm and up
Stress / use	all qualities	foot traffic ready for use	after approx. 3 hours after approx. 24 hours
Material consumption per m² / per mm layer thickness	HE 60 rapid HE 60 rapid SVS 3 HE 60 rapid SVS 1,5 HE 60 rapid metallic		approx. 2,1 kg/m²/mm approx. 2,2 kg/m²/mm approx. 2,2 kg/m²/mm approx. 2,5 kg/m²/mm
AgBB Health-related evaluation of emissions of volatile organic compounds from construction products acc. to DIN EN 16516.	all qualities		☑

PROCESSING

Sub-base
The base concrete (minimum grade C 25/30, surface bond strength ≥ 1,5 N/mm²) must be pre-treated, e.g. milling and shot-peening. For full bond, the surface must be free from cracks, level, free from loose and brittle debris and fine mortar slurry, rough and open-pore. The demands acc. to DIN 18365 and DIN 18560 apply. The flatness should be acc. to DIN 18202, table 3, line 3. Thorough pre-wetting of the base concrete 1 day prior to the installation, avoiding formation of puddles. Application of KORODUR Bonding Compound HB 5 rapid on the matt-damp surface (see data sheet).

Processing
Mix NEODUR HE 60 rapid with the specified quantity of water for approx. 2 - 3 minutes until a workable consistency is achieved. Apply freshly on the still moist bonding compound, strike off aligned, trowel pore-deep with disk float and smooth acc. to the specified surface texture (wing float).

AFTER-TREATMENT

Differing temperatures may influence the setting and hardening process. NEODUR HE 60 rapid must be protected from too rapid drying out acc. to DIN EN 13670 / DIN 1045-3. For after-treatment of the NEODUR hard aggregate layer we recommend the use of our products KOROMINERAL CURE / Li+ or KOROTEX (see data sheets). In case a subsequent surface modification, coating or marking is specified, the after-treatment should be carried out with foil.

JOINTS

The joint grid must be specified by the planner. Joints in the set base concrete have to be taken over in the hard aggregate layer. The hard aggregate screed must be separated from uprising masonry (walls, columns etc.).

SUPPLY

25 kg special paper packaging (all quantities)
big bag

STORAGE

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

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