



per 03/2021

NEODUR HE 3

mineral dry mortar for cementitious industrial floors in dry-shake method to improve surface hardness and increase wear resistance

DESCRIPTION

NEODUR HE 3 is a ready to use cementitious dry mortar for the production of industrial floors in dry-shake method acc. to DIN EN 13813 on the basis of KORODUR hard aggregates acc. to DIN 1100 (groups A and KS) in the qualities

- NEODUR HE 3: on the basis of KORODUR 0/4
- NEODUR HE 3 SVS 3: on the basis of KORODUR WH-Special
- NEODUR HE 3 SVS 1,5: on the basis of KORODUR Diamond Concrete

Also available in colour, see KORODUR colour chart.

APPLICATION

For the production of heavy-duty industrial floors, e.g. car parks, industrial halls, assembly halls, aircraft hangars, workshops, high-bay warehouses and other industrial areas subjected to most severe stress. Indoors and outdoors.

SUSTAINABLE CONSTRUCTION

The use of NEODUR HE 3 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

- wear resistant also under heaviest stress
- forklift resistant
- water-resistant, suitable in wet areas
- anti-skid, non-slip
- electrostatically non-chargeable
- chloride-free
- physiological and ecological harmless
- consistent quality ensured by quality assurance acc. to DIN EN 13813

TECHNICAL DATA

Quality	NEODUR HE 3 NEODUR HE 3 SVS 3 NEODUR HE 3 SVS 1,5	CT-C70-F9-A6 CT-C70-F9-A3 CT-C70-F9-A1,5
Granulometry	all qualities	0 - 3 mm
Colour	all qualities	cement grey
Wear resistance abrasive wear acc. to Böhme acc. to DIN EN 13892-3	NEODUR HE 3 NEODUR HE 3 SVS 3 NEODUR HE 3 SVS 1,5	$\leq 5,0 \text{ cm}^3/50 \text{ cm}^2$ $\leq 3,0 \text{ cm}^3/50 \text{ cm}^2$ $\leq 1,5 \text{ cm}^3/50 \text{ cm}^2$
Compressive strength [N/mm ²] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	all qualities	C70
Flexural strength [N/mm ²] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	all qualities	F9
Temperature processing, ambient and sub-base temperature	all qualities	$\geq 5 \text{ }^\circ\text{C}$
Material consumption per m ²	all qualities	cement grey approx. 3 - 5 kg coloured approx. 5 - 6 kg

PROCESSING

Sub-base

The base concrete must be produced at least as grade C 25/30 acc. to DIN EN 206 (Attention: No use of air-entrained concrete!). The surface must be produced in level within the tolerance limit acc. to DIN 18202. For intermediate curing of the base concrete we recommend the use of KOROCURE (see data sheet). The fresh, just walkable base concrete is trowelled with disk float.

NEODUR HE 3

Processing

Apply NEODUR HE 3 dry and uniformly (e.g. by means of spreader). After moisture penetration of the applied NEODUR HE 3, treat the surface with disk float. A further analogous application can be carried out as long as the dry mortar still moistens, followed by timely grinding with disk float to close pores and, depending on the requested surface texture, smoothing (helicopter).

On steel fiber concrete base, NEODUR HE 3 can be mechanically applied directly in the freshly installed base concrete using a spreader. Next working steps on compaction and smoothing as afore described.

AFTER-TREATMENT

Differing temperatures may influence the setting and hardening process. NEODUR HE 3 must be protected from too rapid drying out acc. to DIN EN 13670 / DIN 1045-3. For after-treatment of the NEODUR dry-shake layer we recommend the use of our products KOROMINERAL CURE 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.

SUPPLY

25 kg special paper packaging (NEODUR HE 3)
30 kg special paper packaging (NEODUR HE 3 SVS 3 and NEODUR HE 3 SVS 1,5)
big bag

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.



ISO 9001
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