NEODUR HE 3 *green*

per 01/2026

mineral, CO_2-reduced dry mortar for cementitious industrial floors in dry-shake method to improve surface hardness and increase wear resistance

DESCRIPTION

NEODUR HE 3 green is a ready to use, cementitious, CO_2-reduced 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 on the basis of KORODUR 0/4.

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 green increases the energy and resource efficiency and conserves natural resources. The footprint of the binder has been reduced by up to 50-60%.
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

- sustainable in the ecological sense
- resource saving
- 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	CT-C70-F9-A6
Granulometry	0 - 3 mm
Colour	cement grey
Wear resistance abrasive wear acc. to Böhme measured on defined prisms acc to DIN EN 13892-3	≤ 5,0 cm³/50 cm²
Compressive strength measured on defined prisms acc. to DIN EN 13892-2	C70
Flexural strength measured on defined prisms acc. to DIN EN 13892-2	F9
Temperature processing, ambient and sub-base temperature	≥ 5 °C
Material consumption per m²	cement grey approx. 3 – 5 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.

Processing

Apply NEODUR HE 3 green dry and uniformly (e. g. by means of spreader). After moisture penetration of the applied NEODUR HE 3 green, 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 green can be mechanically applied directly in the freshly installed base concrete using a spreader. Next working steps on compaction and smoothing as afore described.

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FINISHING AND PROCESSING TOOL

KORODUR nanoFinish is a high quality, liquid, ready-to-use nano silica for the finishing of KORODUR industrial floors. KORODUR nanoFinish slows down the moisture loss and extends the working time. This facilitates and improves surface finishing during smoothing, even under hot, dry, sunny and windy conditions (see data sheet).

KORODUR nanoFinish does not replace the necessary after-treatment of the smoothed KORODUR industrial floor.

AFTER-TREATMENT

Differing temperatures may influence the setting and hardening process. NEODUR HE 3 green 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

STORAGE

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