

NEODUR HE 50 SF

Industrial screed - acid-resistant

FOR THE PRODUCTION OF HEAVY DUTY WEARING LAYERS WITH HIGH ACID-RESISTANCE

DESCRIPTION

NEODUR HE 50 SF is a ready to use, cementitious, hard-wearing, acid-resistant industrial screed mortar with hard aggregates of strength class acc. to EN 13813 / DIN 18560-7 CT-C50-F7-A5, and high-grade special additives.

To be processed as composite screed in one or two layers for highest stress demands with high acid-resistance.

APPLICATION

Indoors and outdoors. For the production of heavy-duty industrial screeds. As wearing layer, e.g. in case of biogenic sulphate attack. Mainly in the agricultural domain, in sewage plants, animal shelters (with urine and excrement stress), etc. as well as in the commercial and industrial domain, workshops, high-shelf stocks and other industrial areas.

PROPERTIES

- high acid-resistance
- resistant against gasoline, mineral oil, solvents
- highly wear resistant also in case of heaviest stress demands
- chloride-free
- non-skid/non-slip, also in case of oil and in wet rooms
- frost and de-icer resistant
- physiological harmless
- electrostatic non-chargeable

TECHNICAL DATA

grain size: 0 - 5 mm
acid-resistance at: 2 - 4 ph-value
consumption: 2,10 kg/m²/mm
layer thickness: 10 - 15 mm
mixing time: ≥ 3 minutes

PROCESSING

Fresh on fresh-processing:

The base concrete must be produced as C 25 / 30. There must be no water puddles or enrichments of slurry on the surface of the fresh concrete. The surface must be produced in level within the tolerance limit.

Processing on hardened base

concrete: The existing base concrete must be treated by milling, shot peening etc. The surface must be rough and open-pore and adequately load-bearing. The prepared base concrete must be thoroughly wetted the day before the installation.

KORODUR Bonding Compound

HB 5 is applied uniformly by means of hard broom on to the matt-damp surface of the base concrete (formation of puddles to be avoided), stroke off over gauges and aluminium lath or vibrator beam, see technical data sheet **KORODUR Bonding Compound HB 5**.

Processing fresh on fresh:

The fresh, just walkable base concrete is treated with disk float. **NEODUR HE 50 SF** is mixed in pan type mixer with water until a workable, plastic consistency is achieved. **NEODUR HE 50 SF** is applied on the fresh, floated area (base concrete), stroke off over gauges with aluminium lath or vibrator beam. Then in due time the surface is ground with disk float until closure of pores is achieved and smoothed according to the demanded surface structure.

Processing on hardened base concrete:

NEODUR HE 50 SF is mixed in pan type mixer with water until a workable, plastic consistency is achieved. **NEODUR HE 50 SF** is applied on the fresh, just applied **KORODUR Bonding Compound HB 5** (fresh on fresh), stroke off by gauges and lath, vibrator beam or levelling/smoothing roll, is given time to set and then mechanically ground and smoothed. Joints in the NEODUR hard aggregate layer are required above the joints in the base concrete. The acid-resistant industrial screed has to be separated from uprising masonry, columns and also from foundations.

AFTER-TREATMENT

NEODUR HE 50 SF must be protected from too rapid drying out acc. to DIN 1045, e.g. by covering it with foil or applying a curing agent KOROTEX / KOROSEAL (see technical data sheets). Differing temperatures may influence the setting and hardening procedure.

PRODUCTION

KORODUR WESTPHAL
HARTBETON GMBH & CO. KG
works Wattenscheid
Certification: DIN EN ISO 9001:2008

PACKAGING / SUPPLY

25 kg special paper packaging

STORAGE

dry like cement,
shelf-life approx. 6 months

HINTS

These products contain cement and have an alkaline reaction with moisture/water. Therefore protect hands and eyes. In case of contact with eyes consult a doctor. Our recommendations for application techniques are based on our experiences. It is recommended to adapt processing and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery.

per December 2010

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