



INDUSTRIAL FLOOR

# NEODUR HE 65 metallic

## Metallic dry mortar – non-rusting

FOR TOPPING LAYERS  $\geq 6$  MM

### DESCRIPTION

NEODUR HE 65 metallic – ready to use, **cementitious hard aggregate screed on the basis of pure metallic, non-rusting material.** The metallic materials conform to the hard aggregates acc. to DIN 1100 – M 0/4 (KORODUR WH-metallic) for the production of composite screeds for heaviest duty, acc. to the strength class DIN EN 13813 CT-C 80-F 11-A 3.

### APPLICATION

For the production of heavy duty industrial screeds. Extremely resistant to stress by impact and percussion. Specially qualified for stress by heavy iron wheel traffic, crawler type vehicles, rolling and hard deposit of sharp-edged work pieces etc. For the production of so-called tank screeds.

### PROPERTIES

- resistant against gasoline, mineral oil, solvents
- highly wear resistant also under heaviest stress
- waterproof, qualified for wet rooms
- chloride-free
- anti-skid/non-slip also in case of oil spillage and in wet rooms
- non-rusting
- frost and de-icer resistant
- electrostatic non-chargeable
- high surface density
- physiological and ecological harmless

### TECHNICAL DATA

**granulometry:** 0 - 4 mm  
**compressive strength:** C 80, approx. 80 MPa  
**tensile strength:** F 11, approx. 11 MPa  
**wear:** A 3, approx.  $\leq 3 \text{ cm}^3 / 50 \text{ cm}^2$   
**consumption:** approx. 3,5 kg/m<sup>2</sup> per mm layer thickness

### PROCESSING “fresh-on-fresh”

The base concrete must be produced Minimum as 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 18 202. The fresh, just walkable base concrete is troweled with a disk float. NEODUR HE 65 metallic is mixed in pan type mixer with water until a workable plastic consistency is achieved and installed on the fresh, previously floated base, levelled over gauges by aluminum lath or vibrating beam (min.  $\geq 6$  mm). Timely grinding with disk float to close pores and smoothing acc. to the demanded surface structure. (wing float)

### “on set base concrete”

The existing base concrete, minimum C 25/30, must be pretreated by milling, shot peening etc. For permabond compound the surface must be free from cracks, even, free from loose and brittle particles and cement laitance, rough and open pore. The evenness should be acc. to DIN 18 202, table 3, line 3. The prepared base concrete to be pre-wetted, avoiding formation of puddles.

On the matt-damp surface, the KORODUR Bonding Compound HB 5 is uniformly

applied by using hard broom (see technical data sheet KORODUR HB 5). NEODUR HE 65 metallic is mixed as described under “fresh-on-fresh”, installed (min.  $\geq 10$  mm), floated and smoothed.

**Joints:** Joints in the hard aggregate layer are required above the joints in the base concrete. The hard aggregate screed has to be separated by joints from uprising masonry (walls, columns etc.).

**After-treatment:** The produced NEODUR industrial floor must be protected from too rapid drying out acc. to DIN 1045. 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

40 kg special paper packaging

### STORAGE

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

### HINTS

This product contains cement and has 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.

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