



INDUSTRIAL FLOOR

# NEODUR HE 50 rapid

## industrial floor repair system fast-setting, heavy duty, durable

### DESCRIPTION

**NEODUR HE 50 rapid** factory produced, ready to use, cementitious fast screed with hard aggregates of coating group A, M or KS acc. to DIN 1100.

- **NEODUR HE 50 rapid SVS 5**  
Quality: CT-C50-F8-A5
- **NEODUR HE 50 rapid SVS 3**  
Quality: CT-C50-F8-A3
- **NEODUR HE 50 rapid SVS 1,5**  
Quality: CT-C50-F8-A1,5
- **NEODUR HE 50 rapid metallic**  
Quality: CT-C50-F9-A3

### APPLICATION

- industrial floor for heavy duty (composite screed)
- repair of hollow spots
- for transition layers
- indoors and outdoors

Layer thickness: min. 10 to max. 30 mm.  
For higher layer thickness use the quality **NEODUR HE 50/8 rapid**

### PROPERTIES

- fast-setting
- fast drying
- considerable reduction of construction time
- ready for use already after 24 h

After approx. 72 h, the remaining moisture might be already < 3 % thus the application of top layers, coatings is possible.

### TECHNICAL DATA

**raw material basis:** special binding agents and specially selected aggregates.

### compressive strength:

after 6 h approx. 20 N/mm<sup>2</sup>  
after 24 h approx. 27 N/mm<sup>2</sup>  
after 28 d approx. 50 N/mm<sup>2</sup>

### grain size:

0 - 5 mm

**consumption:** approx. 2,1 kg/m<sup>2</sup>/mm (HE 50 rapid metallic

approx. 2,7 kg/m<sup>2</sup>/mm)

**processing time:** approx. 30 min.

**processing temperature:** +5°C - +25°C

(water/solid substance value

approx. 0,11 resp. approx. 2,75 l per 25 kg-bag) and immediately applied on to the fresh bonding compound, stroke off and timely ground//smoothed\*. Joints existing in the sub-base must be taken over coinciding in the new layer.

\*In case of mechanical grinding, a minimum layer thickness of 15 mm is recommended.

### PROCESSING

**Sub-base:** The base concrete (compressive strength  $\geq 30$  N/mm<sup>2</sup>, bond strength  $\geq 1,5$  N/mm<sup>2</sup>) must be prepared, e.g. milling, shot peening. For permabond compound the surface must be free from cracks, even, free from loose and brittle particles and enrichments of finest mortar, rough and open-pore.

**Bonding Compound/Primer:** As bonding compound the product EP 52 Rapid from company KLB-Kötztl (or equivalent) should be used.

Consumption: approx. 400 g/m<sup>2</sup>  
The mixed bonding compound (see manufacturer's instructions) is distributed on the pre-treated sub-base and brushed in using hard broom.

Alternatively, for larger areas the cementitious bonding compound KORODUR HB 5 can be used (see data sheet)

**Installation:** NEODUR HE 50 rapid is mixed with water in pan type mixer for approx. 2 minutes until an applicable, plastic consistency is achieved

**After-treatment:** Differing temperatures may influence the setting and hardening procedure.

NEODUR HE 50 rapid must be protected from too rapid drying out acc. to DIN 1045 We recommend an after-treatment with KOROTEX or KOROSEAL, see data sheets.

### SUPPLY/STORAGE

25 kg special paper packaging.  
Store dry, like cement.  
Shelf-life approx. 3 months.

### PRODUCTION

KORODUR Westphal Hartbeton GmbH & Co. KG, works Wattenscheid  
Certification: DIN EN ISO 9001:2008

### HINTS

This product contains cement and has an alkaline reaction with moisture/water. Therefore protect hands and eyes. In case of contact with eyes reaction with moisture/water. Therefore protect hands and eyes. In case of contact with eyes consult a doctor. Our recommendations for application technique 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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