

# NEODUR HE 30 / NEODUR HE 40

## mineral dry screeds

**SCREEDS OF GRADE C 35 / C 45  
FOR THE PRODUCTION OF CEMENTITIOUS  
TRANSITION LAYERS OR SLOPING SCREEDS  
UP TO MAX. 35 MM INSTALLATION THICKNESS**

### DESCRIPTION

NEODUR HE 30 and HE 40 are factory produced, ready to use, cementitious screeds for the production of screeds, transition layers or sloping screeds.

### APPLICATION

NEODUR HE 30 / HE 40 are qualified for the production of screeds, sloping screeds or transition layers for the production of 2-layer KORODUR hard aggregate screeds (e.g. with NEODUR HE 65).

Installation thickness as transition layer acc. to DIN 18560 part 7, at hard aggregate layer thickness of 10 mm min. 25 mm, at hard aggregate layer thickness of 10 to 15 mm min. 30 mm.

Besides, NEODUR HE 40 is available on request also with hard aggregates acc. to DIN 1100, as NEODUR HE 40 SVS 5 variant.

NEODUR HE 30 / HE 40 are exclusively installed in composite with KORODUR Bonding Compound up to maximum 35 mm. For higher layer thickness NEODUR HE 30 / HE 40 is available in quality NEODUR HE 30/8 (HE 40/8) on request (Attention: adjustment of consistency: from earth damp to maximum slightly plastic).

### PROPERTIES

- good processing
- NEODUR HE 30 / HE 40 are easy to mix, to apply and to process
- no vapour barrier

### TECHNICAL DATA

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

**screed grade:** C 35 or C 45 depending on water addition WF value (water/solid material value)  
screed grade C 35 W/F-value = 0,14  
screed grade C 45 W/F-value = 0,12

**grain size:** 0 - 5 mm

**consumption:** approx. 2,1 kg/m<sup>2</sup>/mm layer thickness

**processing temperature:** > 5 °C

### PROCESSING

The base concrete min. C 25/30 must be pre-treated, e.g. milling, shot peening. For perambond compound the surface must be free from cracks, even, free from loose and brittle particles and enrichments of finest particles, rough and open pore. (Bond strength min. 1,5 N/mm<sup>2</sup>). The base concrete to be pre-wetted 1 day prior to the installation, avoiding the formation puddles. On the matt-damp surface, the KORODUR Bonding Compound HB is applied, see product data sheet. NEODUR HE 30 / HE 40 to be mixed in pan type mixer or qualified screed pump until a workable, plastic consistency is achieved (water/solid material value approx. 0,12 to 0,14), mixing time min. 3 minutes. Application on the fresh bonding compound, striking off and grinding in proper time until pore closure (using disk float). Smoothing until the specified surface structure is achieved (helicopter).

Joints existing in the sub-base have to be arranged congruent in the newly installed layer.

### AFTER-TREATMENT

Differing temperatures may influence the hardening and setting procedure. NEODUR HE 30 / HE 40 must be protected from too rapid drying out acc. to DIN 1045. We recommend for curing KOROTEX or KOROSEAL, see technical data sheets.

### PRODUCTON

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. Further literature, processing hints, tender texts and test certificates on the different KORODUR industrial flooring systems. KORODUR floor hardeners, KORODUR dry mortars and special products are available on request.

per June 2017



0617/175

**KORODUR International GmbH**

**Head Office:**  
Wernher-von-Braun-Str. 4  
92224 Amberg  
P. O. Box 1653 • 92206 Amberg  
Phone: +49 (0) 96 21 / 47 59 - 0  
Telefax: +49 (0) 96 21 / 3 23 41  
info@korodur.de

[www.korodur.de](http://www.korodur.de)

**Bochum-Wattenscheid Works:**  
Hohensteinstr. 19  
44866 Bochum  
P. O. Box 60 02 48 • 44842 Bochum  
Phone: +49 (0) 23 27 / 94 57 - 0  
Telefax: +49 (0) 23 27 / 32 10 84  
wattenscheid@korodur.de

