



# NEODUR HE 65 HARD AGGREGATE SCREED

## mineral hard aggregate screed

**FOR COATING OF CONCRETE SURFACES  
FOR HEAVY DUTY APPLICATION - WITH PP-FIBRES -**

### DESCRIPTION

NEODUR HE 65 hard aggregate screed is a ready to use cementitious hard aggregate screed on the basis of KORODUR hard aggregates acc. to DIN 1100 – A 0/5, processed as a compound screed in one or two layers for heaviest stress demands, acc. to DIN 18560-7.

The factory admixture of PP-fibres effects a considerable reduction of possible crack formation. NEODUR HE 65 is also available in colours, see our KORODUR colour chart.

### APPLICATION

For the production of heavy duty industrial screeds, e.g. in production halls, workshops, high-shelf-stores and other industrial surfaces exposed to heaviest stress.

### PROPERTIES

- resistant against gasoline, mineral oil, solvents
- highly wear resistant also under most severe stress
- fork-lift truck resistant
- waterproof, qualified for wet rooms
- anti-skid/non-slip
- frost and de-icer resistant
- electrostatic non-chargeable
- chloride-free
- physiological harmless
- high surface density
- uniform quality due to outside and factory control acc. to EN 13813

### PROCESSING

**Fresh-on-fresh processing:** The base concrete must be produced min. as C 25/30 acc. to EN 206. The use of the KORODUR plasticizer KOROPLAST is recommended. The surface must be produced in level within the tolerance limit acc. to DIN 18202. The fresh, just walkable base concrete is planed with a disk float. NEODUR HE 65 is mixed in the pan type mixer with water (W/F = water/material value = 0,10-0,12) depending on installation method – mixing time approx. 3 minutes – and installed. NEODUR HE 65 is levelled off over gauges (iron rod) with aluminium lath or vibrating beam and intensively smoothed on time.

### On hardened base concrete:

The existing base concrete, strength class min. C 25/30, must be pretreated by milling, shot peening. For perma-bond 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 18202, table 3, line 3. The prepared base concrete to be pre-wetted 1 day prior to the installation, avoiding formation of puddles. On the matt-damp surface the KORODUR Bonding Compound HB 5 is applied, see technical data sheet. The installation of NEODUR HE 65 takes place analogous to the processing instructions for „fresh-on-fresh“, whereby in this case the installation can be carried out almost jointless.

### AFTER-TREATMENT

Differing temperatures may influence the setting and hardening procedure. The NEODUR hard aggregate screed must be protected from too rapid drying out acc. to DIN 1045-3. We recommend for curing KOROTEX or KOROSEAL (see technical data sheets).

### PRODUCTION/ CONTROL

producer:  
KORODUR Westphal Hartbeton GmbH & Co., works Wattenscheid  
quality control acc. to EN 13813

**Certification: DIN EN ISO 9001:2000**

### PACKAGING/SUPPLY

25 kg special paper packaging,  
loose in silo

### STORAGE

dry, like cement,  
shelf-life approx. 6 months.



## TECHNICAL DATA

qualification test values acc. to DIN 18560	
	NEODUR HE 65
tensile strength [N/mm <sup>2</sup> ] after 28 days measured at defined prisms acc. to EN 13892-1	F 9
compressive strength [N/mm <sup>2</sup> ] after 28 days measured at defined prisms acc. to EN 13892-1	C 70
wear [cm <sup>3</sup> /50cm <sup>2</sup> ]	≤ 5
Material consumption kg per m <sup>2</sup> /per mm layer thickness	approx. 2,1
granulometry mm	0-5

## PROCESSING / CONSUMPTION NEODUR HE 65

acc. to installation hints

stress group acc. to DIN 18560, part 7, table 1	hard aggregate layer thicknesses acc. to DIN 18560, part 7 nominal thicknesses	consumption NEODUR HE 65
I (heavy)	15 mm	32 kg/m <sup>2</sup>
II (medium)	10 mm	21 kg/m <sup>2</sup>
III (light)	8 mm	17 kg/m <sup>2</sup>

Acc. to DIN 1100 hard aggregate group M (metallic), NEODUR HE 65 is available in quality HE 65 SVS 3.

Acc. to DIN 1100 hard aggregate group KS (corundum/silicon), NEODUR HE 65 is available in quality HE 65 SVS 1,5.

We recommend:

KOROTEX for after-treatment. KOROPOX for impregnation.

### 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 AGB.

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

Some of our KORODUR references:



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