



# NEODUR HE 65 SVS 1,5 extra

Status 01/2021

**mineral hard aggregate screed  
for topping of concrete areas for heaviest stress**

## DESCRIPTION

NEODUR HE 65 SVS 1,5 extra is a ready to use cementitious hard aggregate screed on the basis of KORODUR hard aggregates.  
Processing in one layer as bonded screed for heaviest stress demands acc. to DIN 18560-7.  
Also available in colour, see KORODUR colour chart.

## APPLICATION

For the production of heavy-duty industrial floors, e.g. car parks, industrial halls, assembly halls, aircraft hangars, workshops, high-bay warehouses and other industrial areas subjected to most severe stress. Indoors and outdoors.

## PROPERTIES

- highly wear resistant also under heaviest stress
- high surface density
- resistant to gasoline, mineral oil, solvents
- forklift resistant
- water-resistant, suitable in wet areas
- anti-skid, non-slip
- frost and de-icer resistant
- electrostatically non-chargeable
- chloride-free
- physiological and ecological harmless
- pumpable
- consistent quality ensured by quality assurance acc. to DIN 13813

## TECHNICAL DATA

<b>Quality</b>	CT-C70-F9-A1,5
<b>Granulometry</b>	0-5 mm
<b>Colour</b>	cement grey
<b>Wear resistance</b> abrasive wear acc. to Böhme acc. to DIN EN 13892-3	≤ 1,5 cm <sup>3</sup> /50 cm <sup>2</sup>
<b>Compressive strength [N/mm<sup>2</sup>]</b> after 28 days, measured on defined prisms acc. to DIN EN 13892-2	C70
<b>Flexural strength [N/mm<sup>2</sup>]</b> after 28 days, measured on defined prisms acc. to DIN EN 13892-2	F9
<b>Temperature</b> processing, ambient and sub-base temperature	≥ 5 °C
<b>Water addition</b>	approx. 3,30 l/30 kg bag
<b>Material consumption</b> per m <sup>2</sup> / per mm layer thickness	approx. 2,2 kg
<b>Frost / de-icer resistance</b> At a layer thickness of ≥ 10 mm, hard aggregate screeds are classified as frost / de-icer resistant acc. to the CDF-test method. (see example NEODUR HE 65).	☑
<b>Penetration behavior</b> acc. to DAfStB-guideline for „concrete construction in context with water endangering substances“. At a layer thickness of ≥ 10 mm, hard aggregate screeds are classified as tight acc. to DAfStB-guideline (see example NEODUR HE 65).	☑

## PROCESSING

### Fresh on fresh

#### Sub-base

The base concrete must be produced at least as grade 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 18202. For intermediate curing of the base concrete we recommend the use of KOROCURE (see data sheet). The fresh, just walkable base concrete is trowelled with disk float.

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## Processing

NEODUR HE 65 SVS 1,5 extra is mixed with the specified quantity of water, depending on the processing method, and mixed for approx. 3 minutes. Application on the fresh, trowelled surface, levelling over gauges (round bar) with aluminium lath or vibrating beam. Timely grinding with disk float to close pores and, depending on the requested surface texture, smoothing (helicopter).

## On existing base concrete

### Sub-base

The base concrete (minimum grade C 25/30, surface bond strength  $\geq 1,5 \text{ N/mm}^2$ ) must be pre-treated, e.g. milling and shot-peening. For full bond, the surface must be free from cracks, level, free from loose and brittle debris and fine mortar slurry, rough and open-pore. The demands acc. to DIN 18365 and DIN 18560 apply. The flatness should be acc. to DIN 18202, table 3, line 3. Thorough pre-wetting of the base concrete 1 day prior to the installation, avoiding formation of puddles. Application of KORODUR HB 5 bonding compound on the matt-damp surface (see data sheet).

### Processing

Installation of NEODUR HE 65 SVS 1,5 extra analogous to the processing instructions for "fresh on fresh", in a middle layer thickness of 15 mm (see data sheet KORODUR-KOROTAN).

## AFTER-TREATMENT

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Differing temperatures may influence the setting and hardening process. NEODUR HE 65 SVS 1,5 extra must be protected from too rapid drying out acc. to DIN EN 13670 / DIN 1045-3. For after-treatment of the NEODUR hard aggregate layer we recommend the use of our products KOROMINERAL CURE or KOROTEX (see data sheets). In case a subsequent surface modification, coating or marking is specified, the after-treatment should be carried out with foil.

## JOINTS

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The joint grid must be specified by the planner. Joints in the set base concrete have to be taken over in the hard aggregate layer. The hard aggregate screed must be separated from uprising masonry (walls, columns etc.).

## SUPPLY

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30 kg special paper packaging  
loose in silo  
big bag

## STORAGE

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

**HINTS:** This product contains cement and has an alkaline reaction with moisture/water. Therefore protect skin and eyes. In case of contact with eyes, consult a doctor. The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: [www.korodur.de](http://www.korodur.de).