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# NEODUR Level AU

**self-leveling, fast-setting underlayment**

## DESCRIPTION

NEODUR Level AU is a ready to use, cementitious, mineral, fast-setting, self-leveling underlayment for layer thickness from 5 to 50 mm.

To compensate unevenness in the floor, applied in bond on cementitious sub-bases as underlayment for the laying of e.g. ceramic tiles and slabs, marble and natural stone tiles, PVC coverings, carpeting in residential and industrial buildings, also suitable for NEODUR Level industrial floor (see data sheet). NEODUR Level AU must always receive a covering layer.

## SUSTAINABLE CONSTRUCTION

The use of NEODUR Level AU increases the energy and resource efficiency and conserves natural resources. A hard aggregate industrial floor has an outstanding durability. The service life of a hard aggregate industrial floor is many times longer than that of a pure concrete floor or alternative industrial flooring systems. For further information contact KORODUR.

## PROPERTIES

- easy to mix
- highly flowable
- pumpable
- fast-setting
- early ready for covering
- almost tension-free

## TECHNICAL DATA

<b>Quality</b>	CT-C30-F5
<b>Colour</b>	grey
<b>Compressive strength</b> [N/mm <sup>2</sup> ] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	C 30
<b>Flexural strength</b> [N/mm <sup>2</sup> ] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	F 5
<b>Temperature</b>	sub-base approx. 8 °C - 25 °C air approx. 8 °C - 30 °C
<b>Water addition</b>	approx. 4,0 l/25 kg bag
<b>Processing time</b> at 20 °C	approx. 30 minutes
<b>Layer thickness</b>	5 - 50 mm
<b>Stress depending on temperature</b> walkability application at moisture insensitive floors application at moisture sensitive floors	after approx. 3 - 4 hours after approx. 24 hours after approx. 48 hours
<b>Material consumption</b> per m <sup>2</sup> / per mm layer thickness	approx. 1,7 kg/m <sup>2</sup> /mm

## PROCESSING

### Sub-base

Prepare cementitious sub-base by milling and/or shot peening. Existing cracks, breakouts and damaged joints must be properly repaired.

The sub-base must be load-bearing, solid, clean, dry, crack-free and free from loose particles, oils, greases and other contamination impairing the bond.

Surface bond strength: • without traffic stress  $\geq 1,0 \text{ N/mm}^2$   
• with traffic stress and/or in outdoor areas  $\geq 1,5 \text{ N/mm}^2$

The demands acc. to DIN 18365 and DIN 18560 apply. Application of KORODUR PC primer on the prepared sub-base. Processing see data sheet KORODUR PC.

## Processing

Mix NEODUR Level AU in a clean container (e.g. KORODUR 30-liter measuring bucket) with approx. 4,0 l water, using a suitable stirrer with minimum 650 rpm or in pan type mixer (e.g. Collomix LevMix or Hippo-Mixer) for approx. 3 - 5 minutes to a lump-free and homogenous mix.

For mechanical processing use customary worm pumps (e.g. Duo-Mix 2000 or inoCOMP Cabrio) and continuous mixing pumps (slump acc. to DIN EN 12706 = approx. 13 - 14 mm with cylinder/measuring tube with d = 32 mm and h = 51 mm). Do not use mixing equipment that entraps big amounts of air.

For uniform application of the material, the use of a qualified rake is recommended. To remove air enclosures, treat the still flowable surface with spiked roller. Keep material temperature  $\geq 10$  °C. Apply mixed NEODUR Level AU within 30 minutes.

## CURING

Differing temperatures may influence the setting and hardening process. Under normal conditions at 20 °C no curing is required. For outdoor installations, apply fine water mist to the freshly set surface as soon as this is possible without damaging it. Continue for at least another hour. Avoid installation in extremely dry, windy, hot or sunny conditions.

## JOINTS

Joints in the sub-base have to be taken over in the NEODUR Level AU underlayment layer. The NEODUR Level AU has to be separated from uprising masonry (walls, columns etc.).

## SUPPLY

25 kg special paper packaging

## STORAGE

Dry, like cement. Shelf-life approx. 6 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).



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## KORODUR International GmbH

Wernher-von-Braun-Straße 4 · 92224 Amberg

Tel. +49 (0) 9621 4759-0 · Fax +49 (0) 9621 32341 · [info@korodur.de](mailto:info@korodur.de)

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