



as per 10/2023

## GRANIDUR BIANCO / NERO

mineral, polished KORODUR decorative screed  
in granite optics, light or dark

### DESCRIPTION

GRANIDUR BIANCO and GRANIDUR NERO are factory-produced, mineral, polished decorative screeds in granite optics. Processing in one layer as bonded screed acc. to DIN 18560-3 on set concrete with KORODUR HB 5 bonding compound (see data sheet).

### APPLICATION

Use for polished, decorative screeds in a middle layer thickness of 15 mm in sales rooms, museums, show rooms, boutiques, foyers, office and administrative buildings, restaurants, galleries etc.

### PROPERTIES

- resistant against mechanical stress
- mineral
- durable, sustainable
- anti-skid
- chloride-free
- physiologically and ecologically harmless
- consistent quality ensured by quality assurance acc. to DIN EN 13813

### TECHNICAL DATA

<b>Quality</b>	all qualities	CT-C45-F6
<b>Granulometry</b>	all qualities	0 - 5 mm
<b>Colour</b>	GRANIDUR BIANCO GRANIDUR NERO	light dark
<b>Fire class</b> acc. to DIN EN 13501-1	all qualities	A1 <sub>fl</sub>
<b>Compressive strength</b> [N/mm <sup>2</sup> ] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	all qualities	C45
<b>Flexural strength</b> [N/mm <sup>2</sup> ] after 28 days, measured on defined prisms acc. to DIN EN 13892-2	all qualities	F6
<b>Temperature</b> processing, ambient and sub-base temperature	all qualities	≥ 5 °C
<b>Water addition</b>	all qualities	approx. 2,5 l/25 kg bag
<b>Layer thickness</b>	all qualities	15 mm
<b>Material consumption</b> per m <sup>2</sup> / per mm layer thickness	all qualities	approx. 2,1 kg

### PROCESSING

#### Sub-base

Prepare the cementitious sub-base as supporting concrete in strength class C25/30 or as base screed in strength class at least CT-C40-F6, e.g. by milling and shot-peening. Existing cracks, break-outs and damaged joints must be professionally repaired. Surface bond strength ≥ 1,5 N/mm<sup>2</sup> for areas subject to traffic stress or ≥ 1,0 N/mm<sup>2</sup> for areas not subject to traffic stress. The sub-base must be load-bearing, solid, clean, dry and free from loose debris, oils, grease or other contaminants that may impair adhesion. The requirements of DIN 18365 and DIN 18560-3 apply. Joints in the sub-base have to be taken over.

Pre-treat supporting concrete or screed with universal primer KORODUR uniPrimer (see data sheet) or alternatively pre-wet thoroughly one day before installation, avoid puddle formation.

# GRANIDUR BIANCO / NERO

As supporting concrete, use only cementitious concrete systems acc. to strength class  $\geq$  C 25/30. As supporting screed, use only low shrinkage, fast-setting screed systems on basis of ternary binders KORODUR FSCem Screed (dry mortar) or KORODUR FSCem (screed binder for mixing on site) acc. to DIN 18560 and DIN EN 13813 in quality CT-C40-F6. Layer thickness min. 65 mm.

## Processing

Apply the KORODUR HB 5 bonding compound system-compliant on the matt-damp surface (see data sheet). When processing GRANIDUR BIANCO use KORODUR HB 5 bonding compound white. Mix GRANIDUR with the specified quantity of water in plastic consistency for approx. 3 minutes and apply fresh on fresh on the still moist bonding compound, strike off aligned, trowel pore-closing with disk float and smooth (wing float).

## AFTER-TREATMENT

Differing temperatures may influence the setting and hardening process. GRANIDUR must be protected from too rapid drying out acc. to DIN EN 13670 / DIN 1045-3. For after-treatment of the decorative screed we recommend the use of appropriate covering materials (e. g. 400 g painters' cardboard).

## JOINTS

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

## GRINDING / POLISHING

The GRANIDUR surface is polished in up to 5 polishing steps (rough, medium, and fine polishing) to achieve the desired optics. The grain structure of the GRANIDUR material becomes visible (terrazzo optics). See also specifications grinding technique of companies MKS Funke / Schwaborn. After the individual polishing passes, the surface must be wet cleaned using cleaning machine.

## FIRST CARE TREATMENT

To ensure lasting quality and appealing optics, the whole surface, after sufficient drying and setting, must be cleaned pore-deep and first care treated. Various products are available on request.

## SUPPLEMENTARY HINTS

Coloured products are exclusively produced from natural raw materials. Thus, colour deviations cannot be excluded. The printed colour may deviate from the original colour shade. Test areas are recommended. For the surface treatment of coloured, especially light-coloured decorative screeds, we recommend the use of plastic blades to avoid discoloration due to abrasion or heat development. Avoid contact with tools made of aluminium (e.g. levelling aids), as this may result in discoloration due to interaction. Fine crack formation (hairline cracks) or deformation by shrinkage within the system (decorative cement screed) cannot generally be excluded and thus are not considered as defect.

## 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).