

CONTOPP®
TOPPBOND

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PROPERTIES**PRODUCT DESCRIPTION**

- Synthetic resin-based polymer hardener for the production of a cement bonding slurry
- Reduces water and increases strength of the bonding slurry

APPLICATION AREA

Hardener for bonding slurry to install bonded screeds on concrete and screed

TECHNICAL DATA**CHARACTERISTICS**

Colour:	red-brown
Form:	liquid
Density (at 20 °C):	1.14 ± 0.01 g/ml
Processing temperature:	above + 5 °C
Shelf life:	approx. 12 months – protect from frost and direct sunlight
Supply form:	PE-HD-can: 5 kg total PE-HD-can: 10 kg total

PROCESSING INFORMATION**BASE PREPARATION**

- The substrate for bonded screeds must either be concrete according to DIN EN 206-1 or screed according to DIN 18560-1. With regard to the strength properties, the installation substrate must at least correspond to concrete of strength class C25/30 according to DIN EN 206-1.
- The surface of the substrate must be firm and stable and free of all adhesion-reducing substances (these may have to be removed by milling, blasting or using a powerful industrial vacuum cleaner). The average surface pull-up strength must be 1.5 N/mm² (smallest individual value 1.2 N/mm²).
- In order to reduce the absorbency, pre-wetting of the substrate is generally recommended. The use of a high-pressure cleaner or a steam jet is ideal for this. The substrate should have a matt, damp appearance when the cement adhesive slurry is applied. Under no circumstances should the substrate have a shiny wet appearance, which is why pre-wetting should be carried out sufficiently in advance.

PROCESSING

- Prepare a cement bonding slurry in a ratio of 1 to 1.5 parts by weight of water to cement by adding CONTOPP® TOPPBOND in a dosage of 0.8% by weight to the cement weight. This corresponds to a water volume of 17 liters per 25 kg cement and 200 ml CONTOPP® TOPPBOND per 25 kg cement. The cement bonding slurry should be mixed with the help of an agitator so that it has a liquid consistency. The mixing time should be at least 2 minutes.
- Application of the cement bonding slurry in a consumption of approx. 0.6 – 1.0 l/m² depending on the absorbency of the substrate. This corresponds to a range of approx. 25 – 40 m² using a bag of cement with a content of 25 kg. Use a hard broom for application.
- After applying the bonding slurry, the semi-dry screed mortar must be laid fresh-on-fresh within 10 – 15 minutes* at the latest. At high ambient temperatures or highly absorbent substrates, this time frame is reduced accordingly.

INDUSTRIAL GRADE BONDED SCREEDS

For bonded screeds with strength classes ≥ CT-C35-F6, Knopp generally recommends the use of epoxy bonding agent SYSTOPP® Colerit EH2.

* based on normal climatic conditions at +20° C and a relative humidity of 65%

GENERAL INFORMATION

SAFETY

- Always observe general work hygiene when using our products.
- CONTOPP® TOPPBOND is solvent-free, chloride-free, saponification-resistant and free from aggressive components – hence safe in terms of organic architecture.
- Our products do not deteriorate when stored properly. Therefore, stability and reactivity are not affected by storage.
- You can find out more information on handling CONTOPP® TOPPBOND from our safety data sheets.

STANDARDS AND TESTING REGULATIONS

- DIN EN 206: concrete – specification, performance, manufacture and conformity
- DIN 18560-3: Floor screeds in building construction – Part 3: Base-bonded floor screeds

COMMENTS

The raw materials we process and the products we produce are subject to strict factory inspections. Do not use products from other manufacturers when using this product. It is stressed that our products and the procedure must be tested for suitability for the expected construction site conditions. The quality of screeds is essentially influenced by the quality of sand and cement, the mixing rates and the processing in accordance with approved screeding technology. Upon the publication all other previous copies shall become invalid.

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