

## PRODUCT DATA SHEET

# Ronabond® DB-T

### High Strength Shrinkage Compensated Self-smoothing Cementitious Topping

#### DESCRIPTION

Ronabond® DB-T is a fast setting flow applied cementitious topping that is ideal for levelling screeds in preparation for trafficked coatings, direct trafficking or polishing. Shrinkage compensated, strong and fast curing it can accept foot traffic after about 8 hours, can be directly trafficked or can accept most resin based coatings.

With close adherence to the simple mixing and installation instructions Ronabond® DB-T produces a smooth trafficable finish. It is compatible with most commonly used floor hardeners, coatings, adhesives, carpet, linoleum and similar floor finishes as well as with hard wood flooring, ceramic tiles etc.

#### USES

Levelling screed for the installation of :

- Polyurethane floorings
- Epoxy floorings
- Vinyl floorings
- Ceramic floorings

#### CHARACTERISTICS / ADVANTAGES

- Shrinkage compensated & fast cure for regular foot traffic and thin section coatings
- Self-smoothing, does not require troweling to finish
- Can be pumped or poured
- Fast application, hence minimum disruption and down time
- Wide water tolerance ensures proper performance
- Economical – lower cost than resin based systems
- Comply to EN13813 CT-C30-F7-B2.0

#### PRODUCT INFORMATION

<b>Packaging</b>	25 kg bag
<b>Shelf Life</b>	6 months from the date of production
<b>Storage Conditions</b>	Stored properly in undamaged and unopened original sealed packaging in the dry conditions. Protect from direct sunlight, moisture and frost.
<b>Appearance / Colour</b>	Grey
<b>pH-Value</b>	>10 (EN 12859)

#### TECHNICAL INFORMATION

<b>Compressive Strength</b>	1 day: 29 N/mm <sup>2</sup> ; 3 days: 40 N/mm <sup>2</sup> ; 7 days: 47 N/mm <sup>2</sup> ; 28 days: 57 N/mm <sup>2</sup>	(EN 13892-2, JC/T 985)
<b>Tensile Strength in Flexure</b>	> 7 N/mm <sup>2</sup> at 28 days	(EN 13892-2, JC/T 985)

<b>Tensile Adhesion Strength</b>	≥ 2.0 N/mm <sup>2</sup> at 28 days	(EN 13892-8, JC/T 985)
<b>Shrinkage</b>	≤ 0.03%	(EN 13454-2)
<b>Ring Test</b>	≥ 140mm	(EN 12706)

## SYSTEM INFORMATION

<b>System Structure</b>	Primer: light porous concrete surface: Sikalastic®-500 Acrylic Primer HK, Sikafloor®- 01 Primer TH, or Ronafix® mixed with water at ratio 1:3 high porous concrete surface : Sikadur®-732	
	Leveling: Ronabond® DB-T	

## APPLICATION INFORMATION

<b>Yield</b>	Approx. 16 litres, suitable for 3.2 m <sup>2</sup> per bag @ 5 mm thick
<b>Layer Thickness</b>	Approx. 5–30 mm

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The concrete substrate must be sound and of sufficient compressive strength (min. 25N/mm<sup>2</sup>) with a minimum pull off strength of 1.5N/mm<sup>2</sup>. The surface must be clean, dry and free of all contaminants e.g. dirt, oils, grease, coating and surface treatment etc. If in doubt apply a test area first. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

### MIXING

Ronabond® DB-T is mixed with the specified quantity of clean, potable water using the appropriate forced action mixer or pump equipment. For hand mixing the material should be mixed with a low or medium speed drill and paddle for at least 2 minutes and until free from lumps. The material should then be left for 5 minutes and briefly remixed for 30 seconds before being poured into place. For pump mixing the flow rate should be adjusted to achieve the initial flow of ~ 140 mm. A PFT G5 pump with a 20 metre hose has been found suitable. The water addition should be approximately 5.5 litres per 25 kg bag.

## APPLICATION

After pouring or pumping the mixed material onto the primed substrate the material should be levelled to the desired thickness using a pin leveler, squeegee, notched trowel or similar. Subsequent mixes should be applied onto a wet edge and similarly levelled. Use the equipment to move the material into corners, low spots and around fittings. As soon as the level has been achieved and before the material starts to lose workability use a spiked roller to help any trapped air travel to the surface. Failure to do this will result in pinholes and blemishes in the surface.

### CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Cured material can be removed mechanically.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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