

## PRODUCT DATA SHEET

# Ronabond® DB-U

## Shrinkage Compensated Self-smoothing Cementitious Underlayment

### DESCRIPTION

Ronabond® DB-U is a fast setting flow applied cementitious underlayment that is ideal for levelling screeds in preparation to receive wooden, vinyl and carpet floors. Shrinkage compensated and fast curing it can accept foot traffic after about 10 hours. With close adherence to the simple mixing and installation instructions Ronabond® DB-U produces a smooth finish ready for a final covering. It is compatible with most commonly used adhesives, carpet, linoleum and similar floor finishes as well as with hard wood flooring, ceramic tiles etc.

### USES

Levelling screed for the installation of :

- Wood floorings
- Vinyl floorings
- Ceramic tiles floorings
- Carpets floorings

### CHARACTERISTICS / ADVANTAGES

- Shrinkage compensated & fast cure
- Self-smoothing, does not require troweling to finish
- Can be pumped or poured
- Fast application, hence minimum disruption and down time
- Economical – lower cost than resin based systems

### PRODUCT INFORMATION

Packaging	25 kg bag
Shelf Life	6 months from the date of production
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging in the dry conditions. Protect from direct sunlight, moisture and frost.
Appearance / Colour	Grey

### TECHNICAL INFORMATION

Compressive Strength	> 10 MPa at 24 hours > 25 MPa at 28 days
Tensile Strength in Flexure	> 7 MPa at 28 days
Tensile Adhesion Strength	> 0.5 MPa at 28 days

### APPLICATION INFORMATION

Yield	Approx. 15 litres, suitable for 3 m <sup>2</sup> per bag at 5 mm thick
Layer Thickness	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 condition of the surface to be treated is of great importance. The substrate must be mechanically prepared e.g. scabbled, milled or shot blasted. All laitance and contamination must be removed to leave a clean aggregate exposed finish. Testing and assessment to BS8204 Part 3 1993 should be conducted before proceeding with vacuum cleaning, sealing and priming.

### Substrate Sealing and Priming

To seal and prime the concrete surface prior to installation use Ronascreed® Primer in accordance with the data sheet and allow the primer to dry. Failure to prime the surface properly will result in blemishes and pinholes in the surface.

### MIXING

Ronabond® DB-U 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 ~ 135 mm. A PFT G5 pump with a 20 metre hose has been found suitable. The water addition should be closely equivalent to 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.

#### SIKA HONGKONG LTD.

Rm.1507-12, Blk A, New Trade Plaza,  
6 On Ping Street, Shatin, N.T., H.K.  
Phone: +852 26868108  
Fax: +852 26453671  
Mail: marketing@hk.sika.com  
Website: www.sika.com.hk



#### Product Data Sheet

Ronabond® DB-U

July 2024, Version 01.01  
020815030010000239

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. Hardened / cured material can only 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.

RonabondDB-U-en-HK-(07-2024)-1-1.pdf