PRODUCT DATA SHEET

SikaBit® W-1

ONE-COMPONENT BONDING ADHESIVE FOR SIKABIT® W-15 AND SIKABIT® W-20

DESCRIPTION

SikaBit® W-1 is a one-component, polymer modified cementitious adhesive.

USES

To adhere SikaBit® W-15 and SikaBit® W-20 waterproofing membrane to prepared concrete surface.

CHARACTERISTICS / ADVANTAGES

- Very good bond to SikaBit® W-15 and SikaBit® W-20 waterproofing membrane and prepared concrete substrate
- One-part system, requires only the addition of clean water
- Easy application by brush, roller or trowel
- High mechanical strength
- Non- toxic

PRODUCT INFORMATION

Packaging	25 kg / bag	
Colour	Red powder or grey powder	
Shelf Life	6 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.	
Storage Conditions	Dry, cool, shaded place	
Density	Bulk density of powder	~1.50 kg/l
	Density of fresh adhesive	~1.82 kg/l

APPLICATION INFORMATION

Mixing Ratio	~7.75-8.25 L of clean water per 25 kg bag SikaBit® W-1
Consumption	~2.0–3.0 kg/m² (depending on the surface structure of the substrate).
Ambient Air Temperature	+10 °C min. / +40 °C max.
Pot Life	~30 minutes (at 27 °C / 65 % r.h)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The concrete must be structurally sound, and free from sharp and protruding objects.

SUBSTRATE PREPARATION

- All concrete and mortar substrate must be sound, clean and free from oil, grease and surface contaminants.
- Delaminated, weak, damaged, surface laitance and deteriorated concrete shall be removed by suitable

means.
- The surface shall achieve a dark matt appearance prior to application of SikaBit® W-1.
- Pre-wet the surface if necessary or remove standing water where applicable.

MIXING

- SikaBit® W-1 should be mechanically mixed in a clean container using a low-speed electric mixer (max. 500 rpm).
- Fill clean water into a small clean container. Add SikaBit® W-1 to the container and mix thoroughly until homogeneous high viscosity liquid is achieved. Always ensure that there are no lumps in the mix.
- If a mix has thickened due to delayed application, DO NOT dilute further with water. This should be discarded.

APPLICATION

Brush, roller or trowel -apply a coat of freshly mixed SikaBit® W-1 on to the substrate (pre-wetted), covering it completely. This is followed immediately with a "wet-on-wet" application of the SikaBit® W-15 or SikaBit® W-20 waterproofing membrane.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- The concrete substrate must be at least 3 days old.
- Do not exceed the recommended maximum water dosage.
- Allow for minimum 24 hours curing (at 25 °C) of the SikaBit® W-1 prior to backfilling the installed SikaBit® W-15 SikaBit® W-20 waterproofing membrane.

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.

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.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.

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