

PRODUCT DATA SHEET

SikaScreed®-20 EBB

Epoxy bonding primer for SikaScreed® floor screeding systems

DESCRIPTION

SikaScreed®-20 EBB is a 2-part, epoxy based, moisture tolerant bonding bridge for SikaScreed® floor screeding systems.

USES

System-tested bonding primer for force-fit connections of SikaScreed® HardTop products to the substrate. Due to its very good adhesive properties, SikaScreed®-20 EBB can also be used for critical substrates as well as vertical connections or connections to components such as manholes, rails and profiles. As a system bonding primer for force-fit connections of large industrial surfaces with increased mechanical loads.

As a bonding primer and adhesive for concrete, bonded screed, cementitious mortar, as well as for

- concrete elements, fibre cement, natural stone
- steel, iron, aluminium
- wood, glass, polyester, fibreglass and epoxy resin.

FEATURES

- Very good adhesion to many materials
- Long pot life
- Durable adhesive for high mechanical loads
- Easy application
- Shrinkage-free curing
- Suitable for matt damp substrates

CERTIFICATES AND TEST REPORTS

CE-marking according to 1504-4: Structural bonding

PRODUCT INFORMATION

Composition	Epoxy resin and special fillers
Packaging	Pre batched units: (A + B): 15 kg or 30 kg containers
Appearance and colour	Part A = White Part B = Dark Grey Mixed A+B = Concrete Grey
Shelf life	24 months from date of production
Storage conditions	Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.
Density	~1.4 kg/litre (+23°C)

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APPLICATION INFORMATION

Consumption	For substrate roughness up to 1.0 mm and normal absorbency ~ 0.6-1.0 kg/m ² . These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For higher substrate roughness and/or stronger absorbency the consumption must be calculated using preliminary site trials.	
Ambient air temperature	+10 °C min. / +30 °C max.	
Dew point	Beware of condensation. The substrate and uncured product must be at least +3 °C above dew point to reduce the risk of condensation.	
Substrate temperature	+10 °C min. / +30 °C max.	
Pot Life	Temperature	Pot Life
	+10 °C	~ 145 minutes
	+20 °C	~ 55 minutes
	+30 °C	~ 35 minutes
The pot-life begins when the resin and hardener are mixed. It is shorter at high temperatures and longer at low temperatures. The greater the quantity mixed, the shorter the pot-life. To obtain longer workability at high temperatures, the mixed SikaScreed®-20 EBB may be divided into smaller quantities. Another method is to cool down parts A+B before mixing them (not below +5 °C).		

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

GISCODE: RE 1

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrate must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum tensile strength of 1.5 N/mm². Substrates must be clean, free of all contaminants such as dirt, oil, grease and loose friable material. Cement laitance, coatings or other surface treatments must be completely removed. Cementitious substrates must be prepared mechanically using suitable abrasive blast cleaning or planing / scarifying equipment to remove cement laitance, coatings or other surface treatments and achieve an open textured gripping surface profile suitable for the product thickness. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum extraction equipment.

MIXING

Part A : part B = 2 : 1 by weight or volume
Prior to mixing all parts, mix part A (resin) using a low speed single paddle electric stirrer (300-400 rpm) until a uniform colour has been achieved. Add part B (hardener) to part A and mix part A + B continuously for 3 minutes until a uniformly coloured mix has been achieved. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

Pour mixed SikaScreed®-20 EBB onto prepared substrate and apply evenly to the required thickness using a suitable stiff bristle brush or broom and work material well into the substrate. Alternatively for dry substrates, apply by roller or spray application. Ensure all areas of the substrate are fully covered. Apply SikaScreed® floor screeding systems on top of SikaScreed®-20 EBB 'wet' on 'wet'.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Hardened / cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and

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uses.

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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