

PRODUCT DATA SHEET

SikaProof® Adhesive-03 AE

Polymer modified cement based single component adhesive for use with the SikaProof® A+ waterproofing system

DESCRIPTION

SikaProof® Adhesive-03 AE is a cement modified, single component adhesive. SikaProof® Adhesive-03 AE is part of the SikaProof® A+ post-applied system and is used to adhere the SikaProof® A+ membrane to the concrete substrate. Suitable for use in hot and tropical climatic conditions.

USES

The Product is used for:

- Bonding the SikaProof® A+ 08 or SikaProof® A+ 12 waterproofing membrane to a concrete structure to form a fully bonded membrane waterproofing system
- Please note: The Product may only be used by experienced professionals.

FEATURES

- Good adhesion to concrete substrates
- Applicable onto damp concrete surfaces
- Fast and easy mixing and application
- High resistance against lateral water migration
- Low VOC content

PRODUCT INFORMATION

Composition	Polymer modified cement
Packaging	25 kg bag
Colour	Grey powder
Shelf life	6 months from date of production
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.

APPLICATION INFORMATION

Mixing ratio	8 – 8.5 litres of clean water per 25 kg bag
Consumption	~1.6 kg/m ² /mm (min. application thickness required: 2 mm) Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.
Yield	~20.5 liters per 25 kg bag
Material temperature	+10 °C min. / +40 °C max.
Ambient air temperature	+10 °C min. / +40 °C max.
Pot Life	~40 minutes (at +27 °C and 65 % r.h)
Application time	~12 minutes (at +27 °C and 65 % r.h)

SYSTEM INFORMATION

System structure	The following products are part of the SikaProof® A+ Post-Applied system:	
	Function	Product
	Adhesive	SikaProof® Adhesive-03 AE
	Membrane	SikaProof® A+ 08 SikaProof® A+ 12
	Tape (in case of welding method, tape is not required)	SikaProof® ExTape-100 SikaProof® Sandwich Tape

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

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

NOTES ON INSTALLATION

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

SUBSTRATE QUALITY

When designing the waterproofing system, make sure that the supporting structure has sufficient structural strength to support all new and existing layers of the system build-up.
The substrate must be free of any sharp protrusion or burrs, clean, free of grease, laitance, oil and loosely adhering particles.

MIXING

IMPORTANT

Over addition of water:

Do not add more than the prescribed addition of water to the powder. Over addition of water affects the Product's finished mechanical performance.

1. Pour the minimum amount of water into a suitable clean mixing container.
2. While mixing gradually add the powder.
3. Mix continuously for at least 2 minutes to achieve a uniform mix. If necessary, add more water up to the maximum permissible amount to achieve the required consistency.
4. Leave to stand for 2 minutes.
5. Mix for a further 1 minute.

APPLICATION

1. Saturate the substrate with clean water.
2. Apply with steel trowel the mixed Product onto the saturated substrate. DO NOT APPLY SikaProof® Adhesive-03 AE onto dry substrate.
3. Spread the Product evenly using a 4-5 mm notched trowel.
4. Immediately apply the membrane while the adhesive is still wet. Refer to the current membrane Product Data Sheet for further application advice.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened 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 exact product data and 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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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
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ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals for Manufacturing LLC
ISO 9001 – LMS
Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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