

PRODUCT DATA SHEET

SikaProof® Adhesive-01

POLYURETHANE ADHESIVE, FOR USE WITH SIKAPROOF WATERPROOFING SYSTEM

DESCRIPTION

SikaProof® Adhesive-01 is a thixotropic 2-component polyurethane adhesive. SikaProof® Adhesive-01 is part of the SikaProof® P-1201 System and is used to adhere the SikaProof® P-1200 membrane to concrete or other suitable cementitious substrates.

USES

SikaProof® Adhesive-01 may only be used by experienced professionals.

SikaProof® Adhesive-01 is used for bonding the SikaProof® P-1200 waterproofing membrane to reinforced concrete to form a fully bonded membrane waterproofing system used for basements and other below ground structures.

CHARACTERISTICS / ADVANTAGES

- High adhesion to concrete or other cementitious substrates
- High water and mechanical resistance
- Solvent free
- No primer needed
- Can be used as levelling layer
- Non-sagging on vertical substrates
- Easy to mix and apply

PRODUCT INFORMATION

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|--|---|------------------------|
| Composition | Component A | Polyols, filled |
| | Component B | Isocyanate derivatives |
| Packaging | Component A | 25 kg pail |
| | Component B | 5 kg pail |
| Colour | Component A | White |
| | Component B | Brown |
| | Mixed | White |
| Shelf life | Component A | 12 months |
| | Component B | 6 months |
| The indicated shelf life is from the date of production if stored properly in undamaged, unopened, original sealed packaging. For expiry date see label. | | |
| Storage conditions | Dry storage at temperature from +5 °C up to +30 °C. Protect from direct sunlight, rain, snow, ice, humidity, etc. Store in a horizontal position. | |

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|---------|-------------|-----------------------|
| Density | Component A | 1,6 g/cm ³ |
| | Component B | 1,2 g/cm ³ |
| | Mixed | 1,5 g/cm ³ |

TECHNICAL INFORMATION

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|---------------------------|-----------------------|-------------|
| Elongation at Break | ~6 % | (ISO 527-1) |
| Tensile Adhesion Strength | ~15 N/mm ² | (ISO 527-1) |

SYSTEMS

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|---|---|------------------------|
| System Structure | SikaProof® Adhesive-01 is part of the SikaProof® P-1201 System: | |
| | Waterproofing Membrane | SikaProof® P-1200 |
| | Adhesive | SikaProof® Adhesive-01 |
| See current Method Statement of the SikaProof® P-1201 System for compatible accessories and complementary products used to create the relevant details and connections. | | |

APPLICATION INFORMATION

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|-------------------------|--------------------------|------------------|
| Mixing Ratio | By volume A:B | 100 : 25 |
| | By weight A:B | 100 : 19 |
| Ambient Air Temperature | +5 °C min. / +50 °C max. | |
| Pot Life | Temperature | Pot Life |
| | +20 °C | 30 min |
| | +30 °C | 15 min |
| Open Time | Temperature | Open Time |
| | +20 °C | 100 min |
| | +30 °C | 50 min |

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Reinforced concrete structure must be:

- Hardened and of sufficient compressive strength, minimum 25 N/mm²,
- With a minimum pull off strength 1.5 N/mm²
- Dry, sound, clean and free of any contaminations (e.g. dust, oil, grease, release agent)
- Free from surface defects (e.g. blowholes, voids, honeycombing, cracks, protrusions)

SUBSTRATE PREPARATION

The concrete or other suitable cementitious substrate must meet the defined substrate quality. If the substrate does not fulfil the requirements, the surface must be pre-treated prior to the application, in order to prevent any subsequent damage to the membrane sheets.

For more detailed information and guidance please refer to the current Method statement for the SikaProof® P-1201 System.

MIXING

Mix components A+B together in the correct proportion into a suitable mixing pail for at least 3 minutes with a low speed mixer until the material becomes smooth in consistency and a uniform white colour. Avoid aeration while mixing the 2 components. Pour the whole mix into another clean container and mix again for at least 1 more minute. Mix only that quantity which can be used within its pot life.

APPLICATION METHOD / TOOLS

SikaProof® Adhesive-01 is a component of the SikaProof® P-1201 post applied sheet membrane waterproofing system. For more information and guidance refer to the System Data Sheet and to the current Method Statement for the SikaProof® P-1201 System.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using Sika® Colma Cleaner immediately after use. Hardened material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- SikaProof® Adhesive-01 must only be applied by Sika trained and approved contractors.
- The defined substrate quality and condition must be confirmed with, or appropriate pretreatment must be applied.
- An adequate concrete quality is required to achieve optimum full bond of the SikaProof® P-1201 system to the hardened structural concrete.
- Mixing procedure must be followed as described.

For more detailed information and guidance please refer to the current Method Statement for the SikaProof® P-1201 System.

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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