BUILDING TRUST

PRODUCT DATA SHEET

SikaSeal® External Frame

Acrylic sealant for internal and external use around window and door frames.

PRODUCT DESCRIPTION

SikaSeal® External Frame is a high quality acrylic based sealant that provides a long lasting, permanently flexible seal that can be overpainted when cured.

USES

- Internal and external sealing around timber and metal window and door frames.
- Internal sealing around PVCu window and door frames.
- Sealing cracks and gaps in brickwork, stone and concrete.

CHARACTERISTICS / ADVANTAGES

- Permanently flexible.
- Adheres to most surfaces.
- Mould resistant.
- Overpaintable.
- Easy clean up.

APPROVALS / STANDARDS

CE and UKCA marked under EN 15651-1:2012

PRODUCT INFORMATION

Packaging	290 ml Cartridge
Colour	White and Brown
Shelf Life	36 months from date of manufacture
Storage Conditions	Store in cool dry conditions and protect from frost.
Density	1.6 - 1.7 g/cm³
Solid Content	~ 83 %

TECHNICAL INFORMATION

Shore A Hardness	Approximately 30
Movement Capability	Low to medium (+/- 12.5 %) (ISO 9046)
Chemical Resistance	Dilute Acids - Poor Dilute Alkaline - Poor Aliphatic Hydrocarbons - Fair Aromatic Hydrocarbons - Poor
Service Temperature	-15 °C to +75 °C
Elongation at break	> 200 % (ISO 8339)

APPLICATION INFORMATION

Ambient Air Temperature	+4 °C to +40 °C
Compatibility	Can be used in contact with most building and decorating materials but should not be used against bituminous materials.
Curing Time	3 to 5 days, dependent on thickness, ambient temperature and humidity.
Tack Free Time	15 to 60 mins, dependent on thickness, ambient temperature and humidity.

VALUE BASE

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.

LIMITATIONS

- Not for use in conjunction with bitumen or asphalt.
- Not for use externally when rain is imminent (within 6 hours at +20 °C, 24 hrs at +10 °C.) Note that damp or humid conditions may significantly extend the cure.
- Do not attempt to abrade when cured.
- Do not overpaint until a surface skin has formed (allow minimum 1 hour). Overpainting is recommended externally to prolong the working life of the product especially in areas prone to high/low temperature variations.
- Note: this product is flexible. Certain poor quality paints (especially certain vinyl matts) have very little movement in the dry film. It is possible for the dry paint film to crack if movement is excessive.
- Do not use externally around PVCu – Use SikaSeal® LMN Frame Silicone Ultra.

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

SUBSTRATE PREPARATION

All surfaces must be clean and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Highly porous substrates such as new plaster should first be primed with SikaBond® PVA+ bond diluted 1:4 with water. This product can be applied to slightly damp, but not wet surfaces.

APPLICATION METHOD / TOOLS

Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut cleanly at an angle of 45° with an opening slightly larger than the gap to be sealed. Apply using a standard sealant gun. Best results will be obtained by keeping an even pressure on the gun trigger and keeping the gun at a constant angle to the surface being sealed. Smooth down within 20 minutes of application using SikaSeal® Smoothing Tool or similar. Care should be taken at this point not to saturate the surface as this will delay drying.

CLEANING OF TOOLS

Any excess sealant can be removed using a sponge and warm water.

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.

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