

PRODUCT DATA SHEET

EVERBUILD® STIXALL®

The ultimate combined building adhesive and sealant, based on hybrid polymer technology, with the most Extreme power to both bond and seal virtually EVERYTHING to ANYTHING in virtually all conditions, even under water!

DESCRIPTION

EVERBUILD® STIXALL® is a one part, chemically curing sealant and adhesive combining the best qualities of silicone and polyurethane technologies. It is specifically designed for adhering most common building surfaces to each other and themselves.

USES

Sealing and bonding in almost every application imaginable. The following are just some examples:

- As a high quality nail replacement adhesive, even to damp surfaces.
- Perimeter pointing around doors and windows, especially in mobile structures such as caravans.
- Bonding mirrors to most common substrates.
- Jointing cladding panels.
- Any application requiring high performance, durable sealing and bonding of joints.
- Applications where resistance to chemical spillage is required.

CHARACTERISTICS / ADVANTAGES

- Incredible initial grab, no slip & gap filling properties.
- High bonding strength.
- Interior and exterior use.
- Can be applied to wet surfaces.
- Totally waterproof & weatherproof.
- Quick curing.
- Overpaintable if required (with water based paints - test an inconspicuous area before use).
- Resistant to temperature extremes -40 °C to +100 °C.
- Resistant to chemicals (10 % dilute acids/alkalis, most solvents).
- Excellent primerless adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, perspex, glass, wood, enamel, painted surfaces etc.

APPROVALS / STANDARDS

CE and UKCA Marked to EN15651-1: 2012, Type F INT.

PRODUCT INFORMATION

Chemical Base	STP
Packaging	290 ml cartridge 80 ml squeezy tube
Shelf Life	290 ml Cartridge = 12 months 80 ml Squeezy Tube = 24 months
Storage Conditions	Store in cool dry conditions between + 5 °C and 25 °C.
Colour	290 ml available in: Black, Brown, Grey, Natural and White 80 ml available in: Crystal Clear and White
Density	~ 1.5 g/cm ³ (Colours) 1.02 g/cm ³ (Easi Squeeze Crystal Clear)

Consistency	Paste
Shore A Hardness	55-60
Tensile Strength	> 1.5 MPa
Secant Tensile Modulus	>0.6 MPa at 100 % elongation (ISO8339)
Thermal Resistance	-40 to +100 °C (Colours) -40 to +70 °C (Easi Squeeze Crystal Clear)

APPLICATION INFORMATION

Consumption	Approximately 10 linear metres per cartridge Approximately 3 linear metres per squeeze pack
Sagging	Nil
Ambient Air Temperature	+5 to +35 °C
Curing Rate	~1 mm / 24 h (at 23 °C and 50 % RH)
Skin Time	30 ± 10 min (at 23 °C and 50 % RH)

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.

LIMITATIONS

- Use on overhead applications – Always use in conjunction with mechanical fixings.
- Use in conjunction with mechanical fixings for glass block fitting or large mirrors (>0.5 m² total area).
- For heavy items, provide temporary support until adhesive has cured.
- Do not seal mirror edges/plastic sheeting until adhesive has cured.
- In areas of high UV; some darkening/discolouration may occur. This does not affect the performance of the product.
- Overpaintability: check compatibility with specific paint first before over painting large areas.
- Do not use on surfaces that bleed oils or plasticizers.
- Not for use as part of a glazing system.
- Not for use in aquarium manufacture. Use EVERBUILD® AQUA MATE®.
- Not for use in conjunction with bitumen, or asphalt. Use EVERBUILD® WEATHER MATE®.
- Yellowing can occur in predominantly dark conditions.
- Certified as a sealant for internal use only.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.

ECOLOGY HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean and dust free. Surfaces may be damp, but have no standing water. Can be used under water for emergency repair.

APPLICATION METHOD / TOOLS

Cartridge:

Cut the tip of the cartridge taking care not to damage the thread. Fix nozzle, cut aperture to required width and apply with a standard sealant gun.

Squeeze Pack:

Remove plastic cap. Cut nozzle with a sharp knife to required aperture. Squeeze tube from base with light finger pressure and apply as necessary. Remove any excess material from nozzle prior to replacing cap.

As a Nail Replacement (Panel) Adhesive:

Prime dusty surfaces with EVERBUILD® 501 PVA BOND diluted 1:4 with water and allow to dry.

Apply using a standard sealant gun, cut tip of cartridge, apply nozzle and cut an opening to suite the required bead size.

For bonding heavy items:

Plasterboard, worktops, wall panels etc. apply adhesive all the way around the edge of the item (30-50 mm from edge) and cover back with beads of adhesive at 300 mm intervals. Alternatively, apply adhesive direct to battens and press into place. NOTE. With heavy items, always provide temporary support until the adhesive dries.

For bonding lightweight items:

Covings, dado rails, skirting etc. apply adhesive to back of item in one or two continuous beads and press immediately into place.

Where gap filling is required, mark the areas where there is a large gap and apply a thicker bead to these areas.

In all cases, clean up excess adhesive immediately with a cloth/white spirits.

As a Sealant:

If necessary reduce joint depth using an Everbuild® Expanding Foam, or Joint Backer Rod. Furthermore, ensure that the joint design only permits adhesion to two surfaces, as three sided adhesion will impair flexibility.

Where the sealant is used in a joint configuration, masking tape should be used to prevent contamination of adjacent substrates, and ensure a neat sealing line. Masking tape should be removed immediately after tooling. The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Fixing Mirrors:

Apply 6mm diameter beads of adhesive direct to back of mirror in vertical strips, spaced at 30-40mm centers. Immediately place mirror in position and secure with good, even pressure with a slight twist action. Provide temporary support (tape) until adhesive has dried (24-48 hours). If required, EVERBUILD® STIXALL® may also be used to seal around the mirror 24 hours after fixing (to allow for cure).

CLEANING OF TOOLS

Uncured material can be removed by wiping with a dampened cloth with white spirit. Cured material can be carefully removed by mechanical means. Full cure must be allowed before over painting.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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