

## **SCHTUK EXTREME**

### **DESCRIPTION**

SCHTUK EXTREME is a one part, chemically curing solvent free 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.

### **BENEFITS**

- Incredible initial grab, no slip and gap filling properties.
- High bonding strength
- Interior and Exterior Use
- Can be applied to Wet Surfaces
- Waterproof & Weatherproof
- Quick Curing.
- Overpaintable if required
- Solvent Free
- Resistant to temperature extremes -40°C to +100°C
- Resistant to Chemicals & Petrol (10% dilute acids/alkalis, most solvents)
- Excellent primer less adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, Perspex, glass, wood, enamel, painted surfaces

### **AREAS FOR USE**

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 and boats.
- Bonding mirrors to most common substrates.
- Automotive gap filling and sealing
- Jointing cladding panels.
- Bonding difficult materials such as specialised polymer systems, metals and fibreglass
- Any application requiring high performance, durable sealing and bonding of joints.
- Applications where resistance to chemical spillage is required

### **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 (>0.5m2 total area)
- For heavy items, provide temporary support until adhesive has dried.
- 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 sealant
- Overpaintability: check compatibility with specific paint first before over painting large areas.
- Do not use on surfaces that bleed oils or plasticizers
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.
- Not for use as part of a structural glazing system.

- Not for use in aquarium manufacture.
- Not for use in conjunction with bitumen, or asphalt.
- Yellowing can occur in the dark
- Certified as a sealant for internal use only

## SURFACE 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

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.

### As a nail replacement (panel) adhesive.

- Surfaces must be sound, clean, dry and free from dust, grease, loose material etc.
- Prime dusty surfaces with PVA 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 (30-50mm from edge) and cover back with beads of adhesive at 300mm 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 (coving, 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

Reference should be made to the recommended joint ratios. If necessary reduce joint depth using 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 10 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 sealant 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, SHTUK EXTREME may also be used to seal around mirror 24 hours after fixing (to allow for cure)

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.

## SPECIFIC DATA

Consistency	Paste
Density	ca. 1,50g/cm <sup>3</sup>

Application temperature	5 to 35 °C
Skin formation at 23 °C and 50 % RH	30 ± 10 min
Sagging (ISO 7390)	Nil
Curing at 23 °C and 50 % RH	< 2 mm/24 h
Shore A hardness (ISO 868 – 3 seconds)	55-60
Shrinkage (ISO 10563)	< 2 %
Compatibility with paints	Water based: yes (test compatibility) Solvent based : no (with alkyd paints)
Temperature resistance	-40 to + 100 °C
Coverage	Approximately 11 linear meters per cartridge

## HEALTH AND SAFETY

- Data sheet available for professional user on request.

## STORAGE

Store in cool dry conditions between + 5°C and 25°C.

## SHELF LIFE

12 months in original unopened containers.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies,

Omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product

is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application.

Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that

The information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with

The stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information

Provided verbally by telephone to any prospective or existing customer.

## SCHTUK EXTREME CLEAR

### DESCRIPTION

SCHTUK EXTREME is a one part, chemically curing solvent free 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.

### BENEFITS

- Incredible initial grab, no slip and gap filling properties.
- High bonding strength
- Interior and Exterior Use
- Can be applied to Wet Surfaces
- Waterproof & Weatherproof
- Quick Curing.
- Overpaintable if required
- Solvent Free
- Resistant to temperature extremes -40°C to +70°C
- Permanently Flexible.
- Resistant to Chemicals & Petrol
- Excellent primer less adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, Perspex, glass, wood, enamel, painted surfaces etc etc

### AREAS FOR USE

- 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.
- External and internal perimeter pointing around doors and windows, especially in mobile structures such as caravans and boats.
- Bonding mirrors to most common substrates.
- Automotive gap filling and sealing
- Sealing vertical expansion joints.
- Jointing cladding panels.
- Bonding difficult materials such as metals and fibreglass
- Any application requiring high performance, durable sealing and bonding of joints.
- Applications where resistance to chemical spillage is required

### 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 (>0.5m<sup>2</sup> total area)
- For heavy items, provide temporary support until adhesive has dried.
- 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 sealant
- Overpaintability: check compatibility with specific paint first before over painting large areas.
- Do not use on surfaces that bleed oils or plasticizers
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.
- Not for use as part of a structural glazing system.

- Not for use in aquarium manufacture.
- Not for use in conjunction with bitumen, or asphalt.
- Do not use in conjunction with undiluted bleach, this can cause discoloration of product.
- Not suitable for use in or around chlorinated water
- Yellowing can occur in the dark

## **SURFACE PREPARATION**

All surfaces must be clean and dust free. Surfaces may be damp, but have no standing water. Remove all loose or flaking surface coatings and old sealant/mastic joints before application. Glass, plastics and metals should be cleaned with a suitable cleaner prior to application for optimum adhesion. Porous surfaces may require priming. Always test a small area first. Can be used under water but adhesion performance is reduced so should be applied as an emergency repair in these conditions only.

## **APPLICATION**

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.

### **As a nail replacement (panel) adhesive.**

- Surfaces must be sound, clean, dry and free from dust, grease, loose material etc.
- Prime dusty surfaces with PVA 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 (30-50mm from edge) and cover back with beads of adhesive at 300mm 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 (coving, 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**

Certified to EN15651 Façade for interior, exterior and cold climate applications and for sanitary applications. Reference should be made to the recommended joint ratios (width to be twice depth). If necessary reduce joint depth using 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 sealant 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, SHTUK EXTREME may also be used to seal around mirrors 24 hours after fixing (to allow for cure)

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.

## SPECIFIC DATA

Consistency	Paste
Density	ca. 1.050 g/cm <sup>3</sup>
Application temperature	5 to 40 °C
Skin formation at 23 °C and 50 % RH	30 ± 10 min
Sagging (ISO 7390)	Nil
Curing at 23 °C and 50 % RH	<2 mm/24 h
Shore A hardness (ISO 868 – 3 seconds)	ca. 45 clear
Shrinkage (ISO 10563)	< 5 %
Temperature resistance	-40 to + 70 °C
Coverage	Approximately 11 linear meters per cartridge

## HEALTH AND SAFETY

See MSDS for full list of hazards. Available on request.

## STORAGE

Store in cool dry conditions between + 5°C and 25°C.

## SHELF LIFE

12 months in original unopened containers.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies,

Omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product

is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application.

Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that

The information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with

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Provided verbally by telephone to any prospective or existing customer.

# 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!

### PRODUCT DESCRIPTION

EVERBUILD® STIXALL® is a one part, chemically curing solvent free 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 and boats.
- Bonding mirrors to most common substrates.
- Automotive gap filling and sealing.
- 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).
- Solvent free.
- Resistant to temperature extremes -40°C to +100°C.
- Resistant to chemicals & petrol (10% dilute acids/alkalis, most solvents).
- Excellent resistance to UV radiation.
- Shrinkage < 2%.
- 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 Marked to EN15651-1: 2012, Type F INT

### PRODUCT INFORMATION

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

Shore A Hardness	55-60
Tensile Strength	> 1.5 Mpa
Elongation at Break	> 60% Modulus at 100% Elongation (ISO 8339) > 0.60MPa
Thermal Resistance	-40 to +100°C (Colours) -40 to +70°C (Easi Squeeze Crystal Clear)

## APPLICATION INFORMATION

Consumption	Approximately 11 linear metres per cartridge Approximately 3 linear metres per squeeze pack
Sagging	Nil
Ambient Air Temperature	5 to 35°C
Curing Rate	~1mm / 24hr (at 23°C and 50% RH)
Skin Time	30 ± 10 min (at 23°C and 50% RH)

## 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 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 (30-50mm from edge) and cover back with beads of adhesive at 300mm 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** (coving, 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:

Reference should be made to the recommended joint ratios. 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 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.

## 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 (>0.5m<sup>2</sup> total area).
- For heavy items, provide temporary support until adhesive has dried.
- 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 sealant.
- 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.

## VALUE BASE

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

## 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 uses.

## 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.

## 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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