

Stixall Crystal Clear®

SEALANT WITH ADHESIVE BASED ON HYBRID POLYMER TECHNOLOGY, WITH THE MOST EXTREME POWER TO BOTH BOND AND SEAL VIRTUALLY EVERYTHING TO ANYTHING IN ALL CONDITIONS

PRODUCT DESCRIPTION

Stixall Crystal Clear 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
- External and internal perimeter pointing around doors and windows
- Bonding mirrors to most common substrates
- Sealing vertical expansion joints
- 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 and gap filling properties
- High bonding strength Interior and Exterior strength
- Certified to the harmonised European standard for Sealants for facade and sanitary use
- Can be applied to wet surfaces Waterproof and weatherproof
- Quick curing
- Overpaintable with some paint - always test small area first
- Resistant to temperature extremes -40 °C to +70 °C
- Resistant to Chemicals & Petrol (10% dilute acids/alkalis, most solvents)
- Resistant to slmup: <3mm (ISO7390)
- Excellent primer, less 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 EXT-INT Class F20LM CC and EN15651-3:2012, Type S Class XS2

PRODUCT INFORMATION

Packaging	290ml Cartridge (Details of Easi Squeeze Stixall Clear covered in Stixall PDS)
Colour	Crystal Clear
Shelf Life	Cartridge: 12 Months
	Squeezezy Tube: 24 Months
Storage Conditions	Store in cool, dry conditions between +5 °C and 20 °C
Density	~ 1.05g/cm³

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Clear

TECHNICAL INFORMATION

Shore A Hardness	40±5
Elongation at Break	>150% (ISO8339)
Service Temperature	-40 °C to +70 °C
Joint Design	Max Joint Width: 25mm Min Joint Width (in sealing applications as a movement joint): 5mm

APPLICATION INFORMATION

Ambiant Air Temperature	+5 °C to +70 °C
Elongation at Break	~2mm per 24 hours in depth
Service Temperature	-40 °C to +70 °C

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 but adhesion performance is reduced so should be applied as an emergency repair in these conditions only.

Application Method / Tools

As a nail replacement (panel) adhesive.

- Surfaces must be sound, clean, dry and free from dust, grease, loose material, etc
- Prime dusty surfaces with water and allow to dry
- Apply using a standard sealant gun, cut tip of cartridge, apply nozzle and cut an opening to suit the required bead size
- For bonding heavy items (plasterboard/workstops/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 (covings, dado rails, skirting, etc) apply adhesive to back of item in one or two continuous beads and press immediately into place. Any application requiring high performance, durable sealing and bonding of joints
- 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 cloth/white spirits

As a Sealant

Certified to EN15651 Facade for interior, exterior and cold climate applications and for sanitary applications. Reference should be made to the recommended joint ratios. If necessary, reduce joint depth. 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 the back of the mirror in vertical strips, spaced at 30-40 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, Stixall may also be used to seal around mirror 24 hours after fixing (to allow for cure). Uncured material can be removed by wiping with dampened cloth with white spirit. Cured material can be carefully removed by mechanical means. Full cure must be allowed before over painting.

Cleaning of Tools

Uncured product: White spirits Cured product: mechanical removal

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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
- In areas of high UV; some darkening/discolouration may occur. This does not affect the performance of the sealant
- Do not seal mirror edges/plastic sheeting until adhesive has cured
- Overpaintability: check compatibility with specific paint first before over painting large areas
- Do not use on surfaces that bleed oils or plasticisers
- It is the user's responsibility to determine suitability for use
- 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 product
- Not suitable for use in or around chlorinated water
- Yellowing can occur in the dark

VALUE BASES

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

LEGAL NOTES

The information provided here in was believed to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the use of the product and to determine the suitability of the product for its intended use.