

**STIXALL EXTREME POWER CRYSTAL CLEAR**

Colour	Product Code	Pack Size	Box Qty
Crystal Clear	STIXCLEAR	290ml	12

**Product Description**

EVERBUILD STIX-ALL CRYSTAL CLEAR 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**

- Good initial grab, no slip and gap filling properties.
- High bonding strength
- Interior and Exterior Use
- Certified to the harmonized European standard for Sealants for façade and sanitary 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
- 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 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.
- Bonding mirrors to most common substrates.
- Sealing vertical expansion joints.
- 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 (>0.5m<sup>2</sup> 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 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. Use AQUA MATE
- Not for use in conjunction with bitumen, or asphalt. Use WEATHER MATE
- \* 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. Can be used under water but adhesion performance is reduced so should be applied as an emergency repair in these conditions only.

### Application

**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.

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

- Surfaces must be sound, clean, dry and free from dust, grease, loose material etc.
- 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 (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**

Certified to EN15651 Façade 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 using Everflex 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, STIX-ALL 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

Skinning Time	15-30 mins
Cure Time	~2mm per 24 hours in depth
Hardness Shore A	40±5
Elongation @ Break	>150% (ISO8339)
Application Temperature	+5 to +40°C
Service Temperature	-40 to +70°C
Resistance To Slump	<2mm (ISO7390)
Overpaintability	Overpaintable with some paints – always test a small area first
Specific Gravity	~ 1.05g/cm <sup>3</sup>
Cleaning	Uncured product: white spirits Cured product: mechanical removal
Movement Accommodation	±20% (EN15651-1)
Max Joint Width	25mm
Min Joint Width (in sealing applications as a movement joint)	5mm
Coverage	Approximately 11 linear meters per cartridge

#### Health & Safety

Consult MSDS for full list of hazards.

#### Storage

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

#### Shelf Life

Cartridge - 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.*