

StileFlexTM

Stile Board Joint Sealant

TDS
TECHNICAL DATA SHEET

ENGINEERED WITH



Fillet-SMP
One part, non sagging sealant



Description:

STILEFLEX is a Low Modulus, SMP, flexible joint sealant and adhesive that emits no odour and is free of Isocyanates and other hazardous raw materials.

STILEFLEX has been formulated to offer outstanding versatility and adhesion to most common building and automotive materials including XPS aluminium, timber, concrete, fibreglass for a broad range of sealing and joint filling applications.

STILEFLEX displays high joint movement capability with no sagging or slump characteristics to provide efficient, high quality finishes

Features & Benefits:

- Movement capability +/-25%
- Non slump
- Solvent & Isocyanate free
- Low odour & non corrosive
- Paintable

Substrates:

- Extruded Polystyrene (XPS)
- Precast Concrete Panels
- Masonry
- Fibre cement sheet
- Aluminium
- Sandstone & Granite
- Fibreglass
- Plasterboard & Blueboard

Important: It is always suggested to conduct "Pre- Adhesion" tests on substrates to ensure an adequate bond is achieved. Contact STILEFLEX for advice on suitability over surfaces not mentioned above

Available Colours:

Grey

Surface Preparation:

All surfaces must be clean, dry, and free from loose particles, dust, oils, rust, and any contaminants that may inhibit adhesion of the sealant. Where oils may be present, clean the surface using a non-oil based solvent cleaner.

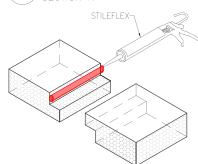
Application:

- STILEBOARD-SMP can be applied using a hand operated sausage gun.
- For the 600ml sausage, place in the applicator gun, then cut the top of the sausage just behind the aluminium clip (removing clip) to open sealant in foil.
- Fit the application gun with a suitable nozzle cut to 10mm for adhesive to edges of stile board panels and 6mm for joint sealant
- deliver the correct bead size.
- Hold the caulking gun at a 45° angle with the nozzle in
- When applying Stile Flex to the edges of the panels, use a 10mm diameter thick bead in a zigzag motion, ensuring it is applied from edge to edge with no gaps. This will act as both the adhesive and the sealant when sandwiched between the panels for optimal adhesion and waterproofing.
- When installing the panels, tool off any excess Stile Flex to ensure a clean surface for the final sealing.
- When applying the final seal over all the joints, ensure you follow the joints so that you are in contact with both panels, applying the sealant evenly with a consistent 6mm bead. Fill any holes or gaps in the joint. Use plastic flat or corner tooling scrapers and press firmly into the joints to ensure the sealant is applied with full coverage and firm adhesion

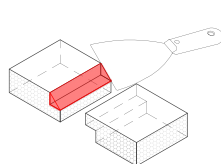
Joint Design:

- Stile Flex, designed for the adhesion of Stile Board XPS panels, ensures a robust bond and integrates seamlessly with the waterproofing system, providing reliable protection and long-lasting durability in wet areas.
- Applied to the edges of Stile Board XPS panels at wall-to-wall, floor-to-floor and at the recessed floor-to-wall junctions, creates a strong adhesion when pressed together. The final seal is achieved by smearing Stile Flex over the joints, ensuring a complete and waterproof barrier for lasting protection in wet areas

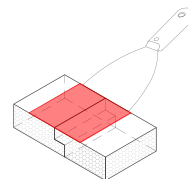
01 TYPICAL SAME PLANE PANEL JUNCTION
SECTION A
1:1



02 METHOD STEP 1 - ROUTER AND APPLY SEALANT
ISOMETRIC



03 METHOD STEP 2 - SPREAD SEALANT
ISOMETRIC



04 METHOD STEP 3 - JOIN PANELS AND SMEAR EXCESS SEALANT
ISOMETRIC

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Paintability:

STILEFLEX-SMP can be painted after fully cured. Paints and coatings containing solvents may cause the sealant to react and become tacky. Some coatings may crack or craze due to cyclical environmental movement. It is always recommended to conduct field tests to ensure compatibility with the desired coating

Curing:

The cure speed depends on temperature, humidity, sealant depth and substrate. Typically, a joint will form a firm skin in one hour and take up to seven days to fully cure. The cure time may extend beyond seven days in cold or dry climates.

Clean Up:

- Excess sealant can be removed immediately with a cloth dampened with mineral turpentine or suitable solvent
- Cured sealant can be removed by trimming with a sharp blade

Packaging:

- 600mL sausages

Storage/Shelf Life:

- Store in a cool, dry place away from direct sunlight
- Best stored in conditions under 28°C
- Shelf life is 9 months from date of manufacture when stored in accordance with above recommendations

Limitations:

- Not recommended for fully submerged joints
- Do not apply when surface or ambient temperatures are below 5°C or above 40°C

Health and Safety:

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

Technical Data:

PROPERTIES	
Appearance	Thixotropic
Colour	Gray
Curing method	Moisture Curing
Sag/Slump @ 23°C 50% RH	Nil
Movement Capability	+/-25%
Shelf life	9 months when stored below 28°C
Packaging	600ml Sausages
Shore A Hardness (ASTM D2240)	30
Specific Gravity	1.6g/ml
Skin Time @ 20°C 50% RH	35 minutes
Cure Depth @ 25°C 50% RH	2.5mm/24 hours
Tack Free Time	60 minutes
Application Temperature	+5°C to +40°C
Elongation at break	300%
Tensile Strength	0.7N/mm ²

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Warranty Statement:

STILEFLEX guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification. We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

STILEFLEX will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and installed according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to **STILEFLEX**. The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

PHONE: _____

EMAIL: _____

MAIL: _____

WEBSITE: _____

Australian Consumer Law:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure.

The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

Disclaimer:

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

VERSION: 1

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TRADIES TRUST

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