

GENERAL DESCRIPTION

STORMFIX is a one part, solvent free hybrid sealant and adhesive. It has been designed for bonding and sealing most common substrates. STORMFIX finds many uses in the building industry.

PHYSICAL DATA

Consistency	Pasty
Density	1.50 ± 0.05
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	> 3mm / 24hr
Shore A Hardness (ISO 868 – 3 seconds)	55 - 60
Modulus at 100% Elongation (ISO 8339)	> 0.60 MPa
Elongation @ Break (ISO 8339)	> 60%
Tensile Strength (ISO 8339)	> 1.5 Mpa
Shrinkage (ISO 10563)	< 2%
Resistance to UV Radiation	Excellent
Compatibility with Paints	Water based: yes (test compatibility) Solvent based: no (with alkyd paints)
Temperature Resistance	-40 to +150°C
Usage Rate	Approximately 10 linear meters per 300ml cartridge @ 6mm bead

BENEFITS

- Very high initial grab, with no slip and good gap filling properties
- High green and final bonding strength
- Interior and exterior use, and can even be applied to wet surfaces
- Totally waterproof and weatherproof
- Quick curing
- Overpaint able (test with required paint prior to use)
- Powerful fungicide prevents mould growth
- Safe in use – free from solvents, acids and isocyanates.
- Good temperature resistance from -40°C to +150°C
- Excellent primerless adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, Perspex, glass, wood, enamel, painted surfaces etc.

AREAS FOR USE

- As a quality nail replacement adhesive in construction, even to cold damp surfaces
- Pointing around doors and windows, particularly commercial vehicles, caravans and boats
- Bonding mirrors to most common substrates
- Automotive gap filling and sealing
- Sealing low movement vertical expansion joints
- Bonding and jointing of PVC and GRP cladding panels. Use PP Primer for use with Polypropylene
- Bonding difficult materials such as specialised polymer systems, metals and fibreglass
- Any applications requiring high performance, durable sealing and bonding

LIMITATIONS

- 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
- Do not use on surfaces that bleed oils or plasticizers
- 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

APPLICATION

All surfaces must be clean and dust free. Surfaces may be damp, but have no standing water.

When using STORMFIX as an adhesive, surfaces may be sound, clean, dry and free from dust, grease, loose material etc. For bonding heavy items such as hygiene and decorative cladding etc. apply STORMFIX all the way around the edge of the item (50mm from edge) and cover the back with beads of adhesive at 300mm intervals. Alternatively, apply the adhesive direct to the battens and press into place. With heavy items, always provide temporary support until the adhesive cures.

For bonding lightweight items, apply adhesive to the back of the item in one or two continuous beads and press immediately into place. Clean up excess adhesive immediately with a cloth/white spirit.

When bonding mirrors, apply 6mm diameter beads of sealant direct to the back of the mirror in vertical strips, spaced at 30-40mm centres. Immediately place mirror in position and secure with good, even pressure with a slight twist action. Provide temporary support until the adhesive has dried (24-48 hours).

When using STORMFIX as a sealant, apply directly to the joint and tool immediately to ensure a smooth finish. Test any paints to be used over STORMFIX thoroughly prior to putting STORMFIX into any manufacturing process.

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.

STORAGE

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

SHELF LIFE

Cartridge – 12 months in original unopened containers.

IMPORTANT NOTICE

Data contained in this document is for information only and is believed to be reliable. Southgate Plastics Ltd cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability of the product for any specific purpose and we are pleased to provide a sample upon request.

Before using this product ensure that you have been supplied with and have read carefully the following information.

FREQUENTLY ASKED QUESTIONS

What is STORMfix?

STORMfix is a hybrid polymer adhesive.

What is STORMfix used for?

STORMfix is used for bonding trims and PVC sheeting to wall surfaces.

What is the best thing about STORMfix?

The best thing about STORMfix is that it has a high-grab strength and can bond to almost any surface - wet or dry.

Why should end users use STORMfix instead of a competitors?

End users should use STORMfix over against competitors as it is cost-effective, readily available from stock and can be purchased at the same as PVC sheeting and other products.

Who are the type of customers that commonly use STORMfix (which industries/sectors/job types)

Building contractors, maintenance contractors, decorators, DIY and cladding contractors would be the type of people that would most commonly use STORMfix.

Where is STORMfix most commonly installed?

STORMfix is most commonly installed in kitchens, bathrooms and washrooms.

When should STORMfix be considered? When should it be installed?

STORMfix should be considered whenever there is a need to bond PVC and other surfaces together for a high strength result.