

Description

SP925 is a one-component, low-viscosity sealant based on hybrid polymer technologies. It is chemically neutral, low odour and is compatible with most common building substrates. SP925 cures by reacting with the moisture in the air to form a firm, elastic, weather and airtight coating with good UV resistance. Due to its high elasticity SP925 is ideal for sealing small joints where movement is likely to occur. SP925 has excellent adhesion, even on slightly damp surfaces.

Colour

Anthracite

Packaging

600 ml sausage (20 per carton)

Consumption

Width x Thickness in mm	Metres per 600 ml Sausage
50 x 2	6
60 x 2	5
70 x 3	2.9
80 x 3	2.5

Technical Information

Characteristic	Test Method	Result
Material		Based on hybrid polymer
Cure		Moisture
Density	DIN 52 451-A	1.3 g/cm ³
Shore A Hardness	DIN 53505	30
Skinning		~10 min. (+ 23°C /50% RH)
Tack Free		20-30 min. (+ 23°C /50% RH)
Curing		2.2 mm /1st day(+ 23°C /50% RH)
Shrinkage	DIN EN ISO 1056	3.00%
Modulus of Elasticity 100%	DIN EN ISO 8339	±0.6 N/mm ²
Elasticity	ift Guideline MO-01/1 (10mm wide joint)	+/- 3.0 mm expansion/compression; +/-11.2 mm transverse shear; +/8.0 mm longitudinal shear
Resistance to Alternating Mechanical Load	ift Guideline MO-01/1 (10mm wide joint)	3000 cycles fulfilled
Water Vapour Permeability	ift Guideline MO-01/1	sd value 1.8 m (1.4 mm film thickness)
Air Tightness	ift Guideline MO-01/1 (perimeter seal to window)	< 0.1m ³ / [m hr (daPa) ^{2/3}
Weather Tightness	ift Guideline MO-01/1 (perimeter seal to window)	600 Pa
Water Vapour Resistance Factor (μ)	ift Guideline MO-01/1	1277
Tensile Strength	DIN 53504 S2	0.6 N/mm ²
Elongation at Break	DIN 53504 S2	±360%
Elastic Recovery	DIN EN ISO 7389	68%
Consistency	EN 27390 [10 mm] No sag	
Temperature Resistance		-40°C to +90°C
Application Temperature		+5°C to +40°C
Storage		Store in shaded, dry conditions between +5°C and +25°C
Shelf Life		12 months when stored as recommended in original unopened packaging



SP925

Air Seal

Usage / Purpose

SP925 is a sealant specifically developed to provide weather and airtightness in areas difficult to seal with conventional sealants. By being brushable and sprayable, complex small joints can be successfully sealed. Easy to apply, SP925 does not drop out of vertical unbacked joints up to 6 mm wide. For larger gaps backing is required.

Key Benefits

- Easy sealing of complex small joints
- Very easy to handle
- Brushable and sprayable
- Permanently elastic
- Fast curing
- Solvent, isocyanate and silicone free
- Can be applied to damp substrates

Technical Information

Substrate	Primer Requirements
Aluminium	+
Brick	AT140
Concrete	0
Anodized aluminium	+
Glass	+
Powder coated surfaces	AT160
Calcium silicate	+
Porous substrates	0
UPVC	AT160
Stainless steel	0

The above recommendations relate to applications exposed to average weathering. Because of the large variation within substrates, this can only be used as a guide. Site specific testing is recommended.

+ No primer needed

+, . . . tests have shown that in some cases (but not always) primer is needed.

- SP925 is not recommended for use with the following substrates: polyethylene, silicone, butyl rubber, neoprene, EPDM, and surfaces containing bitumen or tar.

Application

- The surfaces must be clean, i.e. free from dust, grease and loose particles. A slightly damp surface is acceptable.
- For joint widths larger than 6 mm, a backer is required. This can be formed using FM230/330 PU Foam or an illbruck impregnated foam tape.
- If applying manually, use a sausage gun to apply a bead of the SP925 onto the surface or directly into the joint.
- Using a brush, spread the SP925 evenly into a film of about 2 mm thick and with a minimum width of 25 mm to both sides of the joint.
- If masking tape is used, remove it immediately after spreading of the SP925.
- If applying by air gun the Cox Jetflow3 is recommended at a pressure of between 6-8 bar.

Cleaning

For cleaning of SP925 on surfaces and utensils, we recommend illbruck AW421 Cleaner. Cured material can only be removed mechanically.

Paint Compatibility

This product is paintable with water based paints. For any paint coating, the flexibility of the paint must be considered. In most cases this will be less than that of the SP925 hence cracking may occur.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer service on 01942 251400.

Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but

which is proved to be defective, will be replaced free of charge.

No liability can be accepted for information provided in this leaflet although it is published in good faith and believed to be concerned. tremco illbruck Limited reserves the right to alter product specification without prior notice, in line with Company policy of continuous development and improvement.



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