

Cl/SfB	Yt4
CAW P22	
Uniclass L675:P99	

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

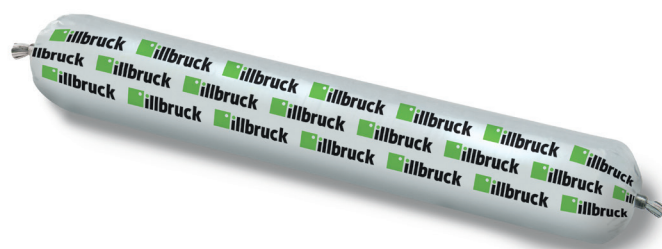
600 ml sausage (20 per carton)

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
Specific Gravity	DIN 52451-A	~1.3
Shore A Hardness	DIN 53505	30
Skinning		~20 min. (+23°C /50% RH)
Tack Free		20-30 min. (+23°C /50% RH)
Cure Rate		~2 mm /1st day (+ 23°C /50% RH)
Shrinkage	DIN EN ISO 10563	~3%
Modulus of Elasticity 100%	DIN EN ISO 8339 Method A	~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 DIN EN ISO 8339 (Method A)	~2.1 N/mm ² ~1.3 N/mm ²
Elongation at Break	DIN 53504 S2 DIN EN ISO 8339 (Method A)	~340% ~360%
Elastic Recovery	DIN EN ISO 7389	75%
Consistency	DIN EN ISO 7390 20 mm profile	Semi-self levelling
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



Adhesion Table

Substrate	Primer Requirements
ABS	AT150
Aluminium	+, AT150
Aluminium anodised	AT150 (not for long term water exposure)
Brass	
Brick	AT140
Concrete	AT140
Copper	
Galvanised steel	+, AT150
Glass	+
Iron	AT150
Polyamide	+, AT150
Polycarbonate	+, AT150
Polyester GRP	+
Sanitary acrylic coloured	+, AT150
Stainless steel	AT150 (not for long term water exposure)
Tiles	AT140
Tiles reverse side	AT140
Wood (untreated)	+

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.

Where there is no result listed according to substrate please contact technical department.

Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

Application

- The surfaces must be clean, i.e. free from dust, grease and loose particles. A slightly damp surface is acceptable.
- Clean substrates using AW414 Mild Cleaner.
- For joint widths larger than 6 mm, a backer is required. This can be formed using FM330 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 off surfaces and utensils, we recommend illbruck AW421 Cleaner. Cured material can only be removed mechanically.

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.

If used on natural stone, staining of the edges cannot be excluded. For sealing joints of defined dimensions, SP525 is recommended.

Compatibility with adjacent building materials* (up to +60°C): No negative effects on the functional performance or optical effects when in contact with:

- | | |
|---------------------------------------|---------------------------|
| • Aerated concrete | • Aluminium |
| • Aluminium anodized | • Aluminium powder coated |
| • Brick | • Concrete |
| • Galvanised steel | • Plaster |
| • PVC & with plastic coating | • Sand-lime brick |
| • Spruce wood (painted and varnished) | |

* Refer to primer adhesion table

Note

When bonding to copper or brass, please consult tremco illbruck technical services for priming details.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

tremco illbruck has a team of experienced Technical Service 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 the information provided in this leaflet although it is published in good faith and believed to be correct. tremco illbruck Ltd. reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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