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|-------------------|-----|
| 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 CPG technical services for priming details.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

Tremco CPG UK Limited 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 Services on 01942 251400.

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in

accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

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