

CI/SfB	Yt4
CAW P22	
Uniclass L675	
February 2012	

KEY BENEFITS SUMMARY

- A green alternative to traditional polyurethane sealants
- Solvent-free and isocyanate-free.
- Provides a permanently flexible joint with movement accommodation of 25%
- Non-sagging with excellent application properties
- Excellent resistance to UV exposure, ageing and weathering
- Compatible with most common building substrates including metals
- Meets the requirements of ISO 11600 F - 25 - LM

PRODUCT INFORMATION

Description

Tremco SP525 is a one component, non-sagging, low modulus elastomeric sealant based on Tremco illbruck's SP hybrid polymer formulation.

Usage/Purpose

Tremco SP525 is recommended for construction sealing as well as for sealing of windows and door perimeter joints. It can be used for exterior and interior applications.

LIMITATIONS

Contact with bituminous or tar containing surfaces can lead to discolouring. Staining at the edges is possible on natural stone. The application on backs of mirrors, plastics that are sensitive to stress cracking and lasting exposure to water or vapour is not recommended. Not suitable for polyethylene, silicone, butyl rubber, neoprene or EPDM.

Colour

White, Light Grey, Mid Grey, Concrete Grey, Anthracite, Black.

Other colours available on request, subject to minimum order quantities and lead time.

Packaging

400 ml sausage (20 per box)

600 ml sausage (20 per box)

Certain pack sizes may be subject to minimum order quantity and lead time.

Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details) or local or national distributors. More details also available at www.tremco-illbruck.com.

USAGE GUIDELINES

Necessary Tools

Sausage gun and sharp knife.

Joint Design Consideration

- Joint design to be in accordance with ISO 11600 and BS 6093
- For the purpose of joint width calculation in BS 6093 the MAF of Tremco SP525 is 25%
- Width to depth ration should be 2:1 subject to a minimum depth of 10 mm on porous substrates and 6 mm on non-porous substrates
- Sealant width not to be less than sealant depth
- For fillet joints the minimum bite should be 10 mm for porous substrates and 6 mm for non-porous substrates.

Preparation

- Always carry out a test to confirm compatibility prior to use.
- Loose friable material must be removed and arrisses made good.

- Joint faces should be clean of dust and free from substances likely to impair adhesion.
- For a neat finish use masking tape for the joint edges.
- Depending on the substrate different cleaners are available. Clean powder coated surfaces with isopropanol.
- On materials such as glass, aluminum, ceramics, lacquered wood, PVC, epoxy and polyester no primer is required. For other materials, please contact Tremco illbruck Technical Services.

Joint Backing

- If necessary back fill the joint with polyethylene joint backing in order to control the depth of sealant.

Application

- Application should be in accordance with BS 8000:16 - "Code of practice for sealing joints in buildings using sealants".
- Apply between +5°C and +40°C using conventional sausage gun.
- All beads should be tooled after application to ensure firm, full contact with the joint faces.

Coverage Rate

Joint dimensions width x depth in mm	Approximate metres	
	per 400 ml sausage	per 600 ml sausage
5 x 5	16.0	24.0
8 x 6	8.3	12.5
10 x 8	5.0	7.5
15 x 10	2.6	4.0
20 x 12	1.6	2.5
25 x 15	1.0	1.6
30 x 15	0.8	1.3

For further guidance on application methods, and materials requirements, please contact Tremco illbruck Technical Service Department.

TECHNICAL INFORMATION

Property	Test Method	Result
Specific Gravity	DIN 52451-A	1.6
Consistency	EN 27390 20 mm profile	0 mm, non-sagging
Skin Formation at 23°C / 50% RH		Approx. 30 minutes
Curing Rate		3 mm / day
Shrinkage	DIN EN ISO 1056	3.5%
Modulus at 100% Elongation	DIN EN ISO 8339	0.38 N/mm ²
Tensile Strength	DIN 53504 S2	1.35 N/mm ²
Elongation at Break	DIN 53504 S2	Approx. 550%
Elastic Recovery	EN 27389-B	74%
Shore A Hardness	DIN 53505	25
Movement Capability		25%
Application Temperature		+5°C to +40°C
Temperature Resistance		-40°C to +90°C

Cleaning

Remove excess sealant immediately with Tremco AW421 Industrial Cleaner or acetone. Ensure surface is solvent resistant before cleaning. Cured material can only be removed mechanically.

Storage

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

Shelf Life

12 months when stored as recommended in original unopened containers

Health & Safety Precautions

Safety Data Sheet available for professional users on request.

Environmental Considerations

The use of Tremco SP525 in the correct application will give an airtight seal in conformity with the requirements laid down in Approved Document L of the Building Regulations for England and Wales.

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 +44 (0)1942 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.