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CAW P22 Uniclass L675:P99			

illbruck
making it perfect.

Description
SP521 is an over paintable frame sealant, formulated using advanced SP polymer technology.

Colour
White and brown

Packaging
310ml cartridge (12 per carton)

Technical Information

Property	Test Method	Results
Composition		advanced SP polymer formation
Specific Gravity		1.6
Consistency	EN 27390, 20 mm profile	Non-sagging
Shore A Hardness		25
Skin Forming Time	at +23°C, 50% RH	Approximately 30 minutes
Tack Free Time	at +23°C, 50% RH	60 minutes
Cure Rate	at +23°C, 50% RH	3 mm / day
Tensile Strength	DIN 53504 S2	1.35 MPa
Modulus at 100% Elongation	ISO 8339	0.38 MPa
Elongation at Break	DIN 53504 S2	Approximately 550%
Movement Accommodation		± 25%
Elastic Recovery	EN 27389-B	74%
Application Temperature		+5°C to +40°C
Service Temperature		-40°C to +90°C
Storage		Store in dry conditions between +5°C and +25°C.
Shelf Life		12 months when stored as recommended in original unopened containers.

Necessary Tools
- Cartridge gun and sharp knife.

Priming
- SP521 has excellent primerless adhesion to many typical construction materials. For special situations, or if in doubt, please contact tremco illbruck Technical Services Department to discuss your requirements.

Joint Design Considerations
- Joint design to be in accordance with BS 6093.
- For the purposes of joint width calculation in BS 6093, the MAF of SP521 is 25%.
- Width to depth ratio of SP521 should be 2:1.
- Minimum depth of 6mm on non-porous substrates and minimum depth of 10 mm on porous substrates.
- Sealant width not to be less than sealant depth.
- For fillet joints, the minimum bite onto each surface should be 10 mm for porous substrates and 6 mm for non-porous substrates.

SP521

Paintable Frame Seal

Usage / Purpose
SP521 is a fast curing, over paintable frame sealant for permanent sealing around windows, doors and rooflight perimeters. It is formulated using advanced SP polymer technology, offering high movement capability, excellent primerless adhesion and long-term performance.

Key Benefits
- Meets the requirements of ISO 11600-F-25LM
- Long-term resistance to weathering, ageing and UV
- Overpaintable with many types of paint
- Neutral curing: compatible with sensitive substrates

SP521

Paintable Frame Seal

Surface Preparation

- Joint faces should be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant which may effect adhesion. Any previously applied sealant must be mechanically removed.
- Thoroughly clean with a suitable cleaning solvent using the two cloth method, using one cloth dampened with the cleaning product to lift contaminants and a second clean dry cloth is used to remove any cleaner residue.
- Apply masking tape to prevent contamination of adjacent surfaces.
- Contact tremco illbruck Technical Services Department for further information if required.

Joint Backing

- Deep joints should be filled with an approved material such as illbruck FM617 360° PU Foam. In movement joints, back fill the joint with polyethylene joint backing in order to control the depth of sealant and prevent three-sided adhesion.

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

Width x Depth (mm)	Linear metres per 310 ml Cartridge
6 x 6	8.6
10 x 6	5.2
10 x 10	3.1
20 x 10	1.6
25 x 12	1.0

Cleaning

Remove excess sealant immediately with AT200 High Strength Cleaner. Ensure surface is solvent resistant before cleaning. Cured sealant can only be removed mechanically.

Please Note

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.

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 an 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.

tremco illbruck Limited
Coupland Road, Hindley Green
WN2 4HT Wigan
United Kingdom
T: +44 1942 251400
F: +44 1942 251410

info.uk@tremco-illbruck.com
www.tremco-illbruck.co.uk

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