

CI/SfB	Yt4
CAW P22	
Uniclass L675:P7112	

Description

PU540 is a moisture curing, multi-purpose, high strength polyurethane sealant.

Colour

White, black and grey

Packaging

310 ml cartridges (12 per carton)
600 ml sausages (20 per carton, grey only)

Technical Information

Property	Test Method	Results
Composition		one part moisture curing polyurethane
Specific Gravity		1.17
Consistency	EN 27390, 20 mm profile	Non-sagging
Shore A Hardness		40
Skin Forming Time	at +23°C, 50% RH	Approximately 70 minutes
Tack Free Time	at +23°C, 50% RH	2 - 4 hours
Cure Rate	at +23°C, 50% RH	2 - 3 mm / day
Tensile Strength	DIN 53504 S2	1.2 MPa
Modulus at 100%	ISO 8339	0.4
Elongation		
Elongation at Break	DIN 53504 S2	>500%
Movement		± 25%
Accommodation		
Elastic Recovery	EN 27389-B	70%
Application Temperature		+5°C to +40°C
Service Temperature		-30°C to +80°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

- PU540 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.

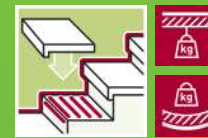
Joint Design Considerations

- Joint design to be in accordance with BS 6093.
- For the purposes of joint width calculation in BS 6093, the MAF of PU540 is 25%.
- Width to depth ratio of PU540 should be 2:1.
- Minimum depth of 6 mm 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.



PU540

Polyurethane Sealant



Usage / Purpose

PU540 is a multi-purpose formulation which provides a high strength flexible bond in a wide variety of sealing and bonding applications. It has excellent adhesion to a wide range of construction materials and is suitable for interior and exterior applications. Typical uses include sealing and bonding of doors, windows, panels, penetrations and similar construction elements.

Key Benefits

- Meets the requirements of ISO 11600-G-25HM
- 2-in-1 flexible sealant and high strength adhesive
- Long-term resistance to weathering, ageing and UV
- Suitable for light to medium pedestrian traffic

Surface Preparation

- Joint faces should be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant which may affect 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"
- 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

Fillet Joint Width x Depth (mm)	Linear metres per 310 ml Cartridge
6 x 6	17.0
10 x 10	6.2

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

Not recommended for use with materials where migration of constituents can take place (eg.certain rubbers). Not suitable for prolonged immersion in water. White may discolour under prolonged UV exposure.

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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