

CI/SfB		Yt3
CAW Z20	Uniclass L673	

Description

SP045 is a multi-purpose adhesive based on the illbruck advanced SP polymer formulation.

Colour

White

Packaging

400 ml sausages (12 per carton)

Technical Information

Characteristic	Standard	Classification
Density	DIN 52451-A	~ 1.75 g/cm ³
Reaction to Fire	EN 13501 part 1 (2007)	Class E
Consistency	EN 7390 20 mm profile	0 mm, non-sagging
Tack Free Time	at 23°C/50% R.H.	~ 15 min.
Cure Rate	23°C/50% RH	~ 2.5 mm/1st day
Volume Shrinkage	EN ISO 105	~ 3%
Shore A hardness	DIN 53505 / ISO 868	~ 60
Tensile Strength at 100% Elongation	DIN 53504 S2	~ 1.9 N/mm ²
Tensile Strength at Break	DIN 53504 S2	~ 2.1 N/mm ²
Elongation at Break	DIN 53504 S2	~ 130%
Shear Strength	ISO 1465	~ 1 N/mm ²
Tear Resistance	EN ISO 34	~ 6 N/mm
Application Temperature		+5°C to +40 °C
Service Temperature		-40°C to + 90°C
Storage	Store in shaded, dry conditions between +5°C and +25°C	
Shelf Life	12 months when stored as recommended in original, unopened containers	

Surface Preparation

- For optimum adhesion, surfaces to be bonded should be clean, dry, dust-free and free of grease.
- To remove grease or dust, glazed tiles, metal surfaces, glass can be cleaned with AT200 Cleaner.
- On sensitive substrates like powder-coated surfaces, for cleaning the milder AT115 can be used.
- Always carry out a test to confirm compatibility prior to use.
- Refer to the adhesion table below for primer recommendations. For other materials, please contact CPG UK Technical Services.

Application

- For bonding on substrates where no primer is necessary (see table) SP045 can be applied directly out of the sausage using a manual or pneumatic gun.
- When applying onto primer, ensure the primer has dried sufficiently in accordance with the relevant data sheet.
- Ensure the surface is tooled within the tack free time and to get the best finish do not overuse tooling aids.
- Suitable for external bonding of render beads (apply render after minimum 24 hours curing).



SP045

Multi-Purpose Adhesive



Usage / Purpose

SP045 is an easy to apply adhesive for use where a quick initial fix and a lasting strong flexible bond is required. SP045's versatility extends to a wide range of construction fixing and mounting applications such as bonding skirtings, architraves and lightweight coving.

Key Benefits

- Good cohesive strength and cure speed, adhesive bond occurs quickly and remains strong and flexible after curing
- Wide adhesion spectrum, bonds to common construction materials, often without the need for primer
- Easy to extrude with no sag for a controlled application with less adhesive waste
- Good UV resistance
- Low VOC formulation, isocyanate and solvent free with low odour

Adhesion Table

ABS	-
Acrylic glass (PMMA)	AT150
Aluminium	+
Brick	AT140
Concrete	+, AT140
Electrically anodized aluminium	+
Glass	+
Hot dip galvanized steel	+
Iron	+
Plaster	AT140
Polyamide	+
Polycarbonate	+
Polyester (reinforced with glass fibers)	+
Polypropylene	-
Polystyrene	-
Powder coating	Test for every single case
Hard PVC	+
Soft PVC	+
Sanitary acrylic (coloured)	+
Stainless steel	+
Glazed Ceramic Tiles (front)	+
Glazed Ceramic Tiles (back)	AT140
Wood	+
Wood (painted)	+

The above recommendations refer to applications with normal weathering load. Due to the numerous possible variations of substrates they only can be used as a guideline:

+ no primer necessary

+, . . . tests have shown, that sometimes, but not always primer is needed.

This depends on the real loads in the application, the exact composition of the neighbouring components as well as on the structure of the adhesion surfaces. As it is difficult to predict these influences, it is advisable to conduct preliminary adhesion tests, especially when not using a primer.

Cleaning

Fresh, uncured sealant can be removed with AT115. Cured

sealant can only be removed mechanically by means of a suitable tool.

Notes

Staining can occur if used on natural stone. It is not recommended for application to the back of mirrors, to plastics that are sensitive to stress cracking or where lasting exposure to water is possible. Not recommended for exterior use.

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.

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 CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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