

CI/SfB		Yt3
CAW Z20		
Uniclass L673		
February 2012		

### KEY BENEFITS SUMMARY

- A green alternative to traditional polyurethane adhesives - does not contain solvents or isocyanates and is very low odour
- Excellent adhesion to a wide range of materials including metals, glass, PVC and concrete
- Tack free in less than 30 minutes
- Excellent weather resistance - suitable for internal and external applications
- Can be overpainted once cured
- Very good tooling properties

### PRODUCT INFORMATION

#### Description

illbruck SP050 is a multi-purpose sealant and adhesive based on Tremco illbruck's advanced SP hybrid formulation.

#### Usage/Purpose

illbruck SP050 provides a high strength flexible bond in a wide variety of construction and industrial applications. Typical uses include the bonding of skirting boards, battens, slats, door thresholds, acoustic panels (and similar sheet materials) etc.

#### LIMITATIONS

Not suitable for bonding polyethylene, polypropylene, Teflon® or nylon. Not recommended for sheet laminate. Not recommended for use on synthetic materials sensitive to stress cracking, Not suitable for constantly submerged joints. Do not use as a structural glazing adhesive.

#### Colour

White, grey, black and brown. Other colours available subject to minimum order quantity.

Crystal clear version available, refer to illbruck SP030.

#### Packaging

310 ml cartridge (12 per box)

#### Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details) or via local and national distributors.

### USAGE GUIDELINES

#### Necessary Tools

Standard cartridge skeleton gun and a sharp knife to cut nozzle.

#### Preparation

- Always carry out a test to confirm compatibility prior to use.
- Surfaces to be bonded must be clean, dry, dust-proof and degreased.
- Roughen non-porous surfaces.
- 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.

#### Application

- Cut off end of thread with a sharp knife, avoiding damage to the thread. Trim the nozzle to the required diameter.
- Ensure good contact between the joint surfaces before applying adhesive. Apply a bead of adhesive to one or both surfaces. For larger bond areas, spread the adhesive immediately using a notched spreader.
- Bring the two components together immediately and clamp securely together for at least 30 minutes until sufficient bond strength has developed. Sufficient working strength will normally develop after 30 minutes.

#### Cleaning

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

#### Storage

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

#### Shelf Life

12 months when stored as recommended in original unopened packaging.

#### Health and Safety Precautions

Product Safety Data Sheets must be read and understood before use.

## TECHNICAL INFORMATION

	Test Method	Result
Specific Gravity	DIN 52 451-A	1.6
Consistency	EN 27 390, 20 mm profile	0 mm, non-sagging
Shore A Hardness		50
Shrinkage	DIN 52 451	3%
Modulus @ 100%	DIN 53 504 S2	1.7 N/mm <sup>2</sup>
Tensile Strength	DIN 53 504 S2	2.1 N/mm <sup>2</sup>
Elastic Recovery	EN 27 389-B	> 50%
Cure Time (at 20°C)		Approximately 2.5 mm/day
Skinning Time	@23°C and 50% RH	Approximate 17 minutes
Application Temperature		+5°C to +40°C
Service Temperature		-40°C to +90°C

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