

Cl/SfB	Yt4
CAW P22	
Uniclass L6751:P7112	
August 2011	

KEY BENEFITS SUMMARY

- A high performance PU foam with excellent acoustic and airtight performance
- Suitable for ensuring an airtight perimeter seal around windows, doors and construction joints subject to movement/settlement
- Airtight formulation - tested to EN1026 0.1 m³/h @10 Pa
- Acoustic dampening - up to 60 dB joint insulation index
- Elastic performance - up to 35% movement accommodation ensures integrity of the seal in the event of movement.
- Sub-zero formulation - can still be used at temperatures as low as -3°C

PRODUCT INFORMATION

Description

illbruck FM330 is a rapid curing, highly elastic gun grade polyurethane foam.

Usage / Purpose

illbruck FM330 is ideal for use as an airtight gap filler and water resistant seal around windows and doors.

It is also suitable for sealing floor to wall and wall to ceiling joints; the movement accommodation factor (MAF) of 35% ensures that the integrity of the seal is maintained in the event of movement and settlement.

LIMITATIONS

illbruck FM330 is not UV resistant and should be protected from sunlight with a suitable opaque sealant, filler or

paint. As with all PU foams, it does not bond to polythene, Teflon®, siliconised or wax- like surfaces.

Colour

White

Packaging

750 ml pressurised canister (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

Cutting knife, tape for masking of adjacent areas. illbruck PU solvent cleaner to clear gun after use. Unstable areas may need to be clamped or secured during curing.

Preparation

- Always carry out a test to confirm compatibility prior to use.
- Protect floor coverings with paper or a plastic film.
- The surfaces must be dry, solid, stable and capable of carrying the load of the panels to be installed.
- Remove all loose particles, dust and grease.
- A speedier cure can be attained by moistening the substrates if needed.

Application

- Shake the canister vigorously at least 20 times. Remove the protective cap and screw canister onto the illbruck PU foam gun.
- Invert can and direct nozzle into gap, pressing gently on the trigger to establish the correct flow rate.
- Joints should be underfilled to allow for post expansion of the foam. Fill to approximately 80% of joint depth for optimum results.

- For best results always work with the canister in a vertical position and keep the valve pointed downwards.
- On horizontal surfaces always work away from the exuding bead and work upwards on all vertical surfaces.
- When filling deep joints apply in layers, waiting until each layer has skinned and partially cured before applying the next.
- Applying a light misting of clean water between each layer before subsequent application will assist adhesion and cure speed.

Cleaning

Clean the gun by removing the foam canister and replacing with a can of illbruck PU foam cleaner. Remove excess foam immediately with illbruck PU foam cleaner or acetone. Ensure surface is solvent resistant before cleaning. Cured foam can only be removed mechanically.

Storage

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

Shelf Life

9 months when stored as recommended in original unopened containers.

Health & Safety Precautions

Use only in well-ventilated areas. No smoking. Wear suitable protective clothing. Wear suitable gloves and eye/face protection. Product Safety Data Sheet must be read and understood before use.

TECHNICAL INFORMATION

	Test Method	Result
Composition		Polyurethane Foam
Water Absorption	EN 1609	0.2%
Limits Canister Temperature		+5°C to +30°C
Limits Ambient Temperature		-3°C to +35°C
Density		15 - 25 kg/m ³
Tack Free Time	3 cm in width at 23°C and 50% RH	10 minutes
Cutting Time	3 cm in width at 23°C and 50% RH	45 minutes
Loading Time		24 hours
Tensile Strength	DIN 53455	65 kPa
Compressive Strength (10%)		11 kPa
Elongation at Break		50%
Thermal Conductivity	EN 12667	36 mW/m.K
Temperature Resistance		Short Term: -40°C to +130°C Long Term: -40°C to +90°C
Maximum Acoustic Rating	EN ISO 140-1 : 2005-03	60 dB

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.