

CI/SfB		Yt4
CAW P22		
Uniclass L6751: P7112		

Description

FM320 is a moisture-curing, one-component polyurethane foam used in general gap filling, bonding and insulation applications.

Colour

Yellow

Packaging

750 ml pressurised canister (12 cartridges/case)

Technical Information

Property	Test Method	Results
Composition		Polyurethane Foam
Fire Classification	DIN 4102-1	B3
Yield	EN 17333-1	37 litres
Water Absorption	EN 1609	0.2 kg/m ²
Density	EN 17333-1	15- 30 kg/m ³
Tack Free Time	EN 17333-3	15 minutes
Cutting Time	EN 17333-3	120 minutes
Loading Time		24 hours
Compressive Resistance (@ 10% kPa)		
Dry	EN 17333-4	53 kPa
Wet	EN 17333-4	36 kPa
Elongation at Break		
Dry	EN 17333-4	30%
Wet	EN 17333-4	29%
Thermal Conductivity	EN 12667	36 mW/m.K
Shear strength (kPa)		
Dry	EN 17333-4	70 kPa
Wet	EN 17333-4	63 kPa
Tensile strength		
Dry	EN 17333-4	117 kPa
Wet	EN 17333-4	109 kPa
Service Temperature		Short Term: -40°C to +130°C Long Term: -40°C to +90°C
Application Temperature		Canister: +10°C to +30°C Ambient: -10°C to +35°C
Storage	Store in shaded dry conditions between +10°C and +30°C. Store canisters upright. The product is contained in a pressurised container - observe storage instructions and do not apply heat.	
Shelf Life	12 months when stored as recommended in original unopened containers.	

Necessary Tools

- illbruck foam gun, cutting knife, tape for masking of adjacent areas. AA290 PU Foam Cleaner to clear gun after use. Unstable areas may need to be clamped or secured during curing.

Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.



FM320

Pro Foam



Usage / Purpose

FM320 is suitable for general gap filling, bonding and insulation applications. These include the perimeter sealing and fixing of windows and doors, sealing of service penetrations and sealing around insulation panels.

Key Benefits

- Ideal for filling, sealing and insulation of joints and gaps in a variety of building and construction applications
- Forms a strong bond to concrete, brickwork, stone, plaster, wood, fibre concrete, metal, PVC and polystyrene
- High sound insulation (60dB)

Substrate Preparation

- Always carry out a test to confirm compatibility prior to use.
- The surfaces must be clean, solid, durable and stable
- Remove all loose particles, dust and grease.

Pre-Treatment of Substrates

- If necessary, moisten the surfaces to be adhered to before applying FM320 for a faster cure.

Application

- Shake the canister vigorously at least 20 times.
- Remove the protective cap from the canister and place the top end into the adapter of the illbruck PU foam gun or attach the AA210 Spray Nozzle.
- Always handle the canister in a vertical position for best results and make sure the valve is pointing downwards.
- Joints should be underfilled to allow for post expansion of the foam. Fill to approximately 80% of joint depth for optimum results.
- On horizontal surfaces always work away from the extruding 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.

Cleaning

Uncured foam can be removed with AA290. Cured foam can only be removed mechanically by means of a suitable tool. Please ensure surface is solvent resistant before cleaning.

Health & Safety Precautions

Safety data sheet must be read and understood before use. Extremely flammable- keep away from open flames and other ignition sources.

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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