

CI/SfB		Yt4	
CAW P22			
Uniclass L6751: P7112			

## Description

FM320 is a rapid curing gun grade expanding polyurethane foam that is suitable for general gap filling, bonding and insulation applications.

## Colour

Yellow

## Packaging

750 ml pressurised canister (12 per carton)

## Technical Information

Property	Test Method	Results
Composition		Polyurethane Foam
Fire Classification	DIN 4102-1	B3
Yield		33 litres
Water Absorption	EN 1609	0.2 kg/m <sup>2</sup>
Density	LAB 015	20- 25 kg/m <sup>3</sup>
Tack Free Time	LAB 001	10 minutes
Cutting Time	FEICA TM 1005	45 minutes
Loading Time		24 hours
Compressive Strength (10%)	FEICA TM 1011	45 kPa
Elongation at Break	ISO 527	20%
Thermal Conductivity	EN 12667	36 mW/m.K
Maximum Acoustic Rating	EN ISO 140-1 : 2005-03	60 dB
Application Temperature	Canister: Ambient:	+10°C to +30°C +5°C to +35°C
Service Temperature		Short Term: -40°C to +130°C Long Term: -40°C to +90°C
Storage		Store in shaded dry conditions between +10°C and +25°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.

## 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.



## FM320

## Expandable 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
- Low post expansion improves accuracy of delivery, reduces foam wastage and minimises cutting time
- Forms a strong bond to concrete, brickwork, stone, plaster, wood, fibre concrete, metal, PVC and polystyrene
- Rapid curing formulation: Foam is tack free within 10 minutes, and can be cut or trimmed within 45 minutes

**Application**

- Shake the canister vigorously at least 20 times. Remove the protective cap and screw the gun carefully onto the canister.
- For use with nozzle, fix the nozzle on the valve and turn by 90 degrees before use. When using, the canister should be kept upside down. Foam volume is regulated by using the adjusting screw and gun's trigger.
- Fill approximately half of the required depth of the cavity to allow for expansion of the foam. Should gaps be more than 30 mm, apply the foam in beads and pre-moisten between layers.
- 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 AA290 PU Foam Cleaner. Remove excess foam immediately with AA290 PU Foam Cleaner or acetone. Ensure any substrate requiring cleaning is solvent resistant before proceeding. Cured foam can only be removed mechanically.

**Please Note**

FM320 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.

**Health & Safety Precautions**

Safety data sheet must be read and understood before use.

**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.



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