

CI/SfB	(31)	Zt4
CAW P10		
Uniclass L675:P91		

## Description

FM230 is a one part, moisture curing polyurethane expanding foam which is gun applied and is particularly suited for thermal and sound insulation around window and door frames. MPA tested elasticity and 'winter foam' guarantee in application temperatures as low as 0°C. Suitable for cavity filling, insulating and bonding. Excellent adhesion to brick, block, stone, plaster and cementitious materials as well as wood, metal and a variety of plastics. Achievable sound insulation index of 63 dB in the joint.

## Colour

White

## Packaging

750 ml gun grade pressurised canister (12 per carton)

## Technical Information

Property	Test Method	Result
Composition		Polyurethane Foam
Fire Classification	DIN 4102-1	B2
Yield		34 litres
Water Absorption	EN 1609	0.2 kg/m <sup>2</sup>
Density	LAB 015	20 - 30 kg/m <sup>3</sup>
Tack Free Time	FEICATM 1014	10 minutes
Cutting Time	FEICATM 1005	45 minutes
Loading Time		24 hours
Compressive Strength (10%)	FEICATM 1011	14.7 kPa
Elongation at Break	FEICATM 1018	34%
Thermal Conductivity	EN 12667	38.1 mW/m.K
Maximum Acoustic Rating	EN ISO 140-1 : 2005-03	63 dB
Maximum Allowable Deformation		30%
Application Temperature		Canister: +10°C to +30°C Ambient: 0°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 +3°C. Store canisters upright. The product is contained in a pressurised container - observe storage instructions and do not apply heat.
Shelf Life		15 months when stored as recommended in original unopened containers.

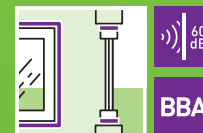
## Necessary Tools

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



## FM230

### Pro Foam Window



#### Usage / Purpose

FM230 is particularly suited for thermal and sound insulation around window and door frames.

#### Key Benefits

- 10 year i3 performance guarantee\*
- Good elasticity with MAF 30%
- Excellent bonding to various substrates
- Low post expansion reduces need to cut back excess



"i3" Window Sealing System; Part of the state of the art, i3-approved sealing system, with a 10 year guarantee.\* This system fulfils the EnEV requirements with regards to airtightness.; \*Under the conditions specified by the manufacturers. Only valid on receipt of the correct registration documents in accordance with terms and conditions, available on request.



BBA Accredited Certificate N° 12/4891 as part of the i3 system.

## Pro Foam Window

### 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 under filled 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.
- The satisfactory filling of joints less than 10 mm wide is unlikely to be achieved without the use of a special tapered nozzle adaptor AA005 (supplied with illbruck PU Foam Guns or purchased separately).

### 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

FM230 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.



Fig 1  
For the perimeter sealing of windows & doors



Fig 2  
Seals against draughts

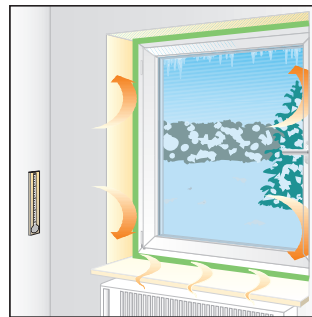


Fig 3  
Optimal thermal insulation

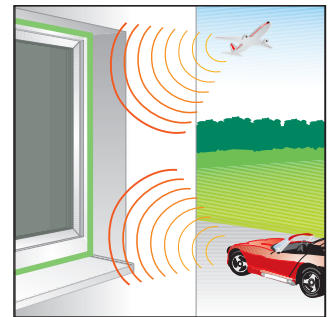


Fig 4  
Sound insulation up to 60 dB



### 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 service 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 information provided in this leaflet although it is published in good faith and believed to be concerned. tremco illbruck Limited reserves the right to alter product specification without prior notice, in line with Company policy of continuous development and improvement.



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