



## B3 GUN APPLIED EXPANDING FOAM

Revision Date: 06/01/2006

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### Technical Data

Base	Polyurethane
Consistency	Stable Foam, Thixotropic
Curing system	Moisture Cure
Skin Formation (20°C/65%R.H.)	Ca. 8 minutes
Drying Time (20°C/65%R.H.)	Dust free after 20-25 minutes
Curing Rate (20°C/65%R.H.)	1 Hour for 30mm bead
Yield	1000ml yields 35-40 L cured foam
Shrink	None
Post expansion	None
Cellular Structure	Ca. 70-80% closed cells
Specific Gravity	Ca. 25kg/m <sup>3</sup> (extruded, fully cured)
Temperature Resistance	-40°C to +90°C when cured
Colour	Champagne
Fire Class (DIN4102 Part2)	B3
Insulation Factor	Ca. 32 mW/m. K
Shear Strength (DIN53427)	17 N/cm <sup>2</sup>
Pressure Strength (DIN534210)	3 N/cm <sup>2</sup>
Bowing Strength (DIN53423)	7 N/cm <sup>2</sup>
Water Absorption (DIN53429)	1% Vol.
Acoustic Rating	R <sub>ST,W</sub> = 58dB

### Product

JCP Gun Grade B3 Foam with CFC free propellant is a one component, self-expanding, ready to use polyurethane foam. It contains CFC free propellants which are completely harmless to the ozone layer.

### Application Areas

Installing of window and door frames.  
 Filling of cavities  
 Sealing of all openings in roof construction  
 Creation of a soundproof screen  
 Sealing around pipes and cables  
 Improving thermal insulation in cooling systems

### Characteristics

- Excellent adhesion on most substrates (except PTFE, PE and PP)
- High thermal and acoustic insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post expansion)
- Very precise application as gun applied system

### Packaging

Aerosol can 750ml net

### Shelf Life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Always store can with valve pointing upwards

Comments: The content of this document is as a result of information supplied to us and is issued in good faith. Because of the diversity of the materials and substrates and the number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended that a trial application is made.



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### Application

Shake the aerosol can for at least 20 seconds. Fit the gun on the adaptor. Moisten surfaces with a water spray prior to application. Fill holes and cavities for 65%, as the foam will expand. Repeat shaking during application. If several layers are required repeat moistening with water between each layer. Fresh foam can be removed using JCP Polyurethane Cleaner or acetone. Cured foam can only be removed mechanically. Working temperature +5°C to +35°C. (+20°C to +25°C recommended)

### Health and Safety recommendations

- Apply the usual industrial hygiene
- Wear gloves and safety goggles
- Removed cured foam by mechanical means only, never burn away.
- Consult the label for more information

### Remarks

- Work in layers and moisten after each layer
- Cured PU-foam must be protected from UV-radiation by painting or applying a layer of sealant (silicone, MS Polymer, acrylic and PU sealant)
- Follow the cleaning and storage instructions included in the Applicator Gun box.

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