



JCP CONSTRUCTION PRODUCTS

B2 Expanding Foam

Data Sheet

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 ³ (extruded, fully cured)
Temperature Resistance	-40°C to +90°C when cured
Colour	Champagne
Fire Class (DIN4102 Part2)	B2
Insulation Factor	Ca. 31 mW/m. K
Shear Strength (DIN53427)	12 N/cm ²
Pressure Strength (DIN534210)	3 N/cm ²
Bowing Strength (DIN53423)	7 N/cm ²
Water Absorption (DIN53429)	1% Vol.
Acoustic Rating	R _{ST,W} = 58dB

Product

JCP Gun Grade and Hand Held B2 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. It has a firing rating to B2 (DIN 4102-Part 2) and has been tested and approved for sound proofing by "ift Rosenheim"

Characteristics

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

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

Packaging

net

Shelf Life

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

SALES OFFICES

Dartford	01322 277733	Stone	01785 819819
Elland	01422 370121	Swindon	01793 527829
Milton Keynes	01908 330050		



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Application

Shake the aerosol can for at least 20 seconds. Fit the gun on the adaptor or screw on nozzle. 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)
- For fire barrier applications foam must be used with JCP Fire Rated Silicone or Intumescent Mastic.
- Follow the cleaning and storage instructions included in the Applicator Gun box.

Approvals

- Fire Rating B2: Prüfzeugnis P-SAC 02/1V-010, MFPA Leipzig
- Prüfzeugnis Nr167 18612 to DIN 52210 "Fugenschalldämmung", ift Rosenheim