



MR.BUILD GOLD MULTIFOAM (B1) (FIRE RESISTANT)

Product Description:

MR.BUILD GOLD MULTI FOAM B1 is quick setting single component polyurethane foam with fire retardant properties. It meets the extremely stringent requirements of DIN 4102 Part 1 for Construction Materials; Class B1 where fire ratings up to 240 minutes are achievable. Once cured, the foam can be cut, sawn or plastered over after only one hour providing the working temperatures (can and surfaces) are between +5 to +30oC, ideally 20oC. (Tested according to BS 476 part 22)

Key Performance Properties:

- High degree of fire rating: slows down the passage of flames and smoke.
- Quick setting - can be cut, sawn or plastered in 1 hour.
- Economical in use – 300% Triple Expanding foam.
- Fills irregular and broad gaps where most conventional fillers would fail.
- Possesses insulating and sound deadening properties.
- Nonflammable propellant.
- Excellent adhesion & filling capacity and high thermal & acoustical insulation value.
- Excellent mounting capacity and stability.
- Adheres to almost all building materials with the exception of surfaces such as polyethylene, Teflon, silicone and surface contaminated with oils and greases, mold release agents and similar materials.
- Mold proof, water proof, over paintable.
- Quick drying, moisture curing.
- Closed cell structure, resistant to water absorption.
- Cured foam dries rigid and can be trimmed, shaped and sanded.
- Suitable for sealing high volume low moment gaps.
- It does not contain any propellant gases that are harmful to the ozone layer.

Applications:

- Gaps around pipe entries through fire rated walls
- To provide a fire rated seal around window and door frames
- Electrical wire chasing prior to plastering, where a fire rating is required.
- deep joints prior to applying sealant or plaster
- Irregular gaps in stone, brick, concrete or plaster
- Door frames • Timber structures • Windowsills and thresholds.
- Window frames • Behind cladding to exterior walls.
- Behind soffit and barge boards • In automotive applications.

Typical Properties:		
Curing system	--	Moisture cure
Tack Free time	Minutes	15 Max.
Cutting Time	Minutes	50-40
Complete curing	Hours	24
Foam color	--	Pink
Density	Kg/m ³	22- 15
Adhesion Strength	kPa	PVC to PVC 143,Aluminium plates 133
Elongation at break	%	20-8
Shear Strength	kPa	50-22
Compression strength	kPa	100-35 at 10% compression
Water absorption	%	Max. 0.03 volume
Thermal conductivity	35 °C W/(m.K)	<0.035
Foam Yield	Liters	50-35
Building Material Class	--	B1 DIN 4102 part 1
Fire Rating	--	Up to 240 min.
Can temperature	°C	Min.-5, Max.+35
Application temperature	°C	+5 to +35
Temperature Resistance	°C	-40 to +90 when cured

Instructions:

Optimal can temperature is +20 °C. Application (ambient) temperature is between +5 °C to +30 °C. Shake the can well before use. Screw the tube on the valve. Moisturizing the surfaces and the foam improves adhesion and shortens curing time. Hold the can upside down and activate the foam by pressing the valve. When spray please pay attention to the speed. Fill vertical joints from the bottom up when half- filled enough. When fill gaps in ceiling, uncured foam may drop because of gravity, Fresh foam can be cleaned by acetone immediately. Please support properly after filling until foam cure and adhere to the gap. Foam is tack free after about 10 minutes, can be cut after 60 minutes. Use a knife to smooth the cured foam and treated surface with cement, paint or silicone.

Restrictions:

- Storage above +30 °C and below -5 °C shortens shelf life.
- Should be stored and transported in vertical position.
- Should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.

Storage and Shelf Life:

12 months when stored at 20°C / 50% relative humidity out of direct sunlight.

Packaging:

MR.BUILD GOLD MULTIFOAM B1 (Straw Type & Gun Type) 750 ML - 12 CANS/CTN

Safety:

Contains Diphenylmethane-4,4'-Diisocyanate. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapour. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C. Do not pierce or burn, even after use. Keep away from sources of ignition, no smoking. Keep out of the reach of child.

Shipping Limitations: None**Note:**

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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