

Product Data Sheet



ASMACO GOLD UNIVERSAL MULTIFOAM (B2) (FIRE RETARDANT)

Tested according to
EN 1366-4 :2021

Fire Rating up to 2hrs

ASMACO GOLD UNIVERSAL MULTIFOAM FIRE RETARDANT (B2)

(Tested in accordance with European Test Method EN 1366-4 :2021)

Product Description:

ASMACO GOLD UNIVERSAL MULTIFOAM FIRE RETARDANT (B2) is a single component, moisture-curing and self-expanding aerosol polyurethane foam sealant. It meets the extremely stringent requirements of DIN 4102 Pat 1 for construction material: class B2. 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 +45°C, ideally 20°C. It is designed for easy dispensing through the straw gun included with each can. It has a fire rating of 120 minutes in certain configurations. (Tested according to EN 1366-4:2021)

Key Performance Properties:

- Nonflammable propellant
- Excellent adhesion & filling capacity
- 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.
- Does not contain CFC's and H-CFC's
- Mould proof, water proof, over paintable.
- High thermal and acoustical insulation value
- 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.

Applications:

- Installation of fire protection doors and windows.
- Filling of vents and joints in fire protection constructions and sections.
- Fixing and insulation of door and window frames.
- Filling and sealing gaps, joints and cavities.
- Filling of penetrations in walls.
- Insulating electrical outlets and water pipes.
- Multi-Purpose, adhesion and fixation.

Certificates :

- EN 1366-4 :2021 Linear joint sealing
- DIN 4102-1 B2 Class
- ASTM E 90-09:2016 Sound Transmission Test
- ASTM C518-02 Thermal Conductivity

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Typical Properties:

Curing system	--	Moisture cure
Tack Free time	Minutes	15 Max.
Cutting Time	Minutes	40-50
Complete curing	Hours	24
Foam color	--	Off white to Light yellow
Density	Kg/m ³	15-25
Adhesion Strength	kPa	PVC to PVC 143, Alumimum plates 133, Concrete to Wood 102
Elongation at break	%	8-20
Shear Strength	kPa	22-50
Compression strength	KPa	35-100 at 10% compression
Water absorption	%	Max. 0.05 volume
Thermal conductivity	35 ⁰ C W/(m.K)	<0.030
Building Material Class	--	B2 DIN 4102 part 1/ EN 13501-1:2007
Fire Rating	---	120 min. EN 1366-4
Yield	Liters	30-45
Can temperature	°C	Min.-5, Max.+35
Application temperature	°C	+5 to +45 (Ideal Temperature +25)
Temperature Resistance	°C	-40 to +90 when cured
TVOC	CDPH 1.2	≤9.0µg/m ³
VOC (Volatile Organic Compounds)	USEPA-24	<1

Instructions:

- 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.
- Working at lower temperatures would decrease foam yield and cause longer curing time.

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.

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Storage and Shelf Life:

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

Packaging:

ASMACO GOLD UNIVERSAL MULTIFOAM B2 (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.

TESTED LINEAR JOINT SEALS CONFIGURATION ACCORDING TO EN 1366-4:2021

Gap Width	Gap Depth	Backup Material	Backup dimensions	Integrity	Insulation
10 mm	200 mm	None	N/A	120 minutes	120 minutes
15 mm	200 mm	None	N/A	120 minutes	120 minutes
20 mm	200 mm	None	N/A	120 minutes	120 minutes
25 mm	90 mm from both sides with 20 mm rockwool in the middle	Rockwool 110 kg/m ³ density	(25x20) mm	120 minutes	120 minutes
30 mm			(30x20) mm	120 minutes	120 minutes
35 mm			(35x20) mm	120 minutes	120 minutes
40 mm			(40x20) mm	120 minutes	120 minutes

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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