



Never compromise on quality!

# MEGA STIK

## Polyurethane Adhesive

### Description

*A low expansion PU foam adhesive which reacts with atmospheric moisture to set.*

Bond It **MEGA STIK** is a fast curing adhesive foam that has been specially developed for the rapid installation of plasterboard, insulation boards, floorboards and roof decking. Supplied in an aerosol can, the product can be used with a standard straw applicator or with a universal foam gun.

#### Benefits:

- Saves time and labour costs.
- Can be plastered in 1 hour.
- Can be used with straw or gun applicator.
- No heavy bags to carry.
- One can will fix approximately 5 standard boards.
- Suitable for use on solid walls, metal and timber studding.
- No nails or screws. No filling over or popping out.
- Easy application - no mixing or mess.

#### Uses

**MEGA STIK** is ideal for the installation of insulation boards and plaster boards to solid walls, metal and timber stud walls and battens. For fixing roof decking and floorboards to beams. And in place of backing rods in expansion joints and around window and door frames. It adheres to most common building materials:-

- ✓ Extruded and expanded polystyrene.
- ✓ Mineral Wool
- ✓ Polyisocyanurate and polyurethane foam.
- ✓ Plaster, gypsum boards.
- ✓ Concrete, brick, stone.
- ✓ Wood.
- ✓ Metals.
- ✓ Bituminous Membranes.

#### Limitations

Not recommended for use on polyethylene, silicone, oil and grease.

#### Properties

The foam can be used at temperatures from +5°C to +35°C, the optimal processing temperatures being from +18°C to +25°C. Full foam setting time is 12 hours. It is thermally stable between -30°C and +80°C. It is durable and permanent except when exposed to UV-rays.

#### Preparation

Protect all surfaces from drips of foam by using paper or plastic sheets. As the foam needs moisture to cure to achieve best results mist the substrate with water prior to application. Wear gloves and goggles.

#### Application

The instructions for the can must strictly be observed. Ideal working temperature for the foam is 20°C. Shake the can for at least 30 seconds fix either the straw provided or a foam gun to the can. The can will operate in any position.

If fixing boards, apply beads to the back of the board wait approximately 2 minutes then press the board into place. If using insulation board apply 3 beads approximately 25mm wide to the board. If using plasterboard apply approximately 400mm apart. Use mechanical fixings if working overhead. Apply the boards in rows, starting from the bottom of the wall, and going up to the top to avoid sliding. Apply to the substrate within 5 minutes of applying adhesive (depending on outside conditions) and press firmly across the whole face of the board, starting at the top. Apply subsequent boards ensuring edges are firmly butted up at this stage.

Hold board in place for approx 1 minute until adhesive is cured enough to hold the board on its own. Plastering can commence after 1 hour!

If using a gun and you have not used all the can, clean the nozzle or gun using Bond It Gun Foam Cleaner, screw in proportioning screw which will ensure the foam will be usable for up to approximately 4 weeks.

#### Cleaning

Excess adhesive can be removed whilst wet using Bond It Gun Foam Cleaner or Bond It Multi-Wipes.

#### Container Size

750ml cans which can be fitted with either an applicator or foam gun.

#### Storage Conditions

Store and transport upright, in cool, dry conditions. Keep away from heat source. Do not store in hot cars or vans as can may explode. Maximum storage temperature is 30°C. Shelf life: 12 months in original, unopened canister. Once opened shelf life is reduced to 1 month.

#### Disposal of Containers

Do not leave empty tins on site where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a licensed hazardous waste disposal site. Do not pierce or burn can after use. In the event of spillage remove all sources of ignition, ventilate the area, remove people from confined areas. Material should be mopped up immediately with an inert absorbent material such as sand.

## Health & Safety

Contains: 4,4'-Methylene- diphenyldiisocyanate. Extremely flammable. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause long-term adverse effects in the aquatic environment. May cause harm to breast fed babies. Keep out of reach of children. Do not breathe vapour. When using do not smoke. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid contact with skin. After contact with skin and before curing, wash immediately with plenty of soap and water. Wear suitable gloves and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident, or if you feel unwell, seek medical advice immediately (show label where possible).

Use only in well ventilated areas. The cured foam can only be removed by mechanical means. Afterwards grease the skin. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. Type A1 according to standard EN 14387) is used. When transported in cars, keep can in the boot, out of direct sunlight. Container is pressurised. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not spray on flame or incandescent objects. Dispose of this material and its container to hazardous or special waste collection point.

## Specification Summary

Surface dry	10-12 minutes
Full cure	1 hour
Adhesion to expanded polystyrene (N/mm <sup>2</sup> )	0.033
Adhesion to extruded polystyrene (N/mm <sup>2</sup> )	0.039
Density	20-25Kg/m <sup>3</sup>
Fire resistance of cured foam adhesive	B2 (DIN 4102-1)
Volume Shrinkage %	None
Post-expansion %	5
Flashpoint	400°C
Tensile Strength N/cm <sup>2</sup>	10 (BS 5241)
Compressive Strength in 10% deformation N/cm <sup>2</sup>	4 (BS 5241)
Thermal Conductivity W/m K	0.03
Noise Reduction Coefficient	R <sub>ST,W</sub> = 60dB
Temperature Resistance of cured foam	Long term: -50 to +90°C Short term: -65 to +130°C

## Container Sizes:

<b>Code:</b>	BDEFMS
<b>Size:</b>	750ml
<b>Barcode:</b>	5060021368171

*The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.*

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V2 09/03/12