

MEGA STICK POLYURETHANE FOAM

Fast Curing PU Adhesive Foam

Technical Data Sheet



PU FOAM & ADHESIVE RANGE

Description:

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

Benefits:

- ◆ *Saves time and labour costs.*
- ◆ *Can be plastered in 1 hour.*
- ◆ *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.*

Bond It **MEGA STICK** 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, application is by universal foam gun.

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. If necessary, gently warm chilled cans in lukewarm water before use. Do not heat cans above 50°C as there is risk of bursting. Shake the can for at least 30 seconds then fix the 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 ambient 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 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 foam can be removed whilst still wet using Bond It **FOAM CLEANER** or Bond It **MULTI-WIPES**. Cured foam can only be removed mechanically.

Container Size

750ml aerosol canisters.

Shelf Life

12 months from date of manufacture when stored in original, unopened canister. Once opened shelf life is reduced to 1 month.

Storage Conditions

Store and transport upright, in cool, dry conditions between 5 and +25°C. (Do not store in hot cars or vans as can may explode. Maximum storage temperature is +30°C.



Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a central disposal point in accordance with local regulations. Do not pierce can. 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

Please refer to separate material safety data sheet for full handling, use and storage instructions. Keep out of reach of

children. It is the users responsibility to determine suitability for use. If in doubt contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control. It is recommended that users make their own tests to determine suitability.

Specification Summary

(determined at +20 °C, 50 % relative air humidity)

Surface Dry	10-12 minutes
Full Cure	1 hour
Adhesion To Expanded Polystyrene (N/mm ²)	0.033
Adhesion To Extruded Polystyrene (N/mm ²)	0.039
Density	20-25Kg/m ³
Volume Shrinkage %	None
Post Expansion %	5
Flashpoint Of Cured Foam	ca. 310°C
Temperature Resistance Of Cured Foam	Long term: -40 to +100°C Short term: -65 to +130°C
UFI	0K80-X0Q6-G00E-6WN9



Product / Order Details:

Code	Colour	Size	Barcode
BDEFMS	Beige	750ml	5060021368171



Part of the Bond It PU Foams & Adhesives Range



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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