

# QUICK BOND ADHESIVE FOAM

## Description

Quick Bond Adhesive Foam is a high-quality product that is ready to use with a convenient applicator gun. It is specifically designed for quickly and securely bonding different construction materials, especially thermal insulation boards. The initial adhesion takes place within 60 seconds, and after just 5 minutes, a strong and reliable bond is formed.

## Properties & Features

- It is a single-component adhesive foam that cures rapidly, making it easy to use.
- Saves 30-40% of time compared to other insulation methods, as it can be cured and applied quickly, aligning with your project timeline.
- The ease of use reduces labor requirements, making your construction process more efficient.
- Provides a 30-40% cost-saving advantage compared to alternative insulation processes.
- Each can of adhesive foam can cover up to 151 ft<sup>2</sup> of heat insulation panels (EPS, XPS), maximizing your coverage area.
- The can is prepped and ready to use, eliminating the need for any preliminary preparation steps.
- Offers powerful adhesion to polystyrene heat insulating panels (XPS and EPS) as well as other construction materials, ensuring a secure and durable bond.
- Provides initial adhesion within 60 seconds, allowing you to connect heat insulating panels within an average of 30 minutes, saving you time on your project.
- Once dried, the foam does not expand further, avoiding any potential damage or added weight to the building structure.
- Suitable for both interior and exterior applications, giving you versatile usage options.
- Exhibits remarkable resistance to various weather conditions, ensuring its effectiveness and longevity.
- The excellent thermal insulation properties prevent the formation of thermal bridges, enhancing energy efficiency.
- Can be used in low-temperature environments as cold as 21 °F, expanding its application range.
- The cured foam can be easily cut, trimmed, and painted to meet your specific needs.
- Mold proof and waterproof, providing added durability and protection.
- Environmentally friendly as it does not contain any propellant gases harmful to the ozone layer.
- Achieves a B3 fire rating according to the German standard DIN 4102-1, ensuring a high level of fire resistance.

## Fields of Application

- Mounting large insulation/finishing boards.
- Bonding structural blocks of non-bearing interior walls.
- Ideal for achieving fixed and permanent positioning of stone or concrete products.
- Mounting decorative elements.
- Suitable for various applications such as concrete pavers/slabs, segmental retaining walls and columns, cast stone copings, landscape blocks and bricks.
- Can effectively bond polystyrene foam boards, cellular lightweight concrete elements, ornamental precast, natural & manufactured stone, brick, aerated block, cinder block, bims block, gypsum block, and gypsum panel.
- Particularly useful in applications where minimal expansion is desired, ensuring precise and controlled bonding outcomes.

## Directions for Use

Surface Preparation and Foam Application:

**Surface Cleaning:** Ensure that the surfaces are of good quality, clean, dry, and free from dust, grease, rust, and other contaminants that can impact adhesion. You can sprinkle the working surface with water (using a gardening sprinkler, for example) at a temperature above 32°F.

**Product Preparation:** If the foam can is too hot or cold, bring it to room temperature. This can be done by immersing the can in cold or warm water or leaving it at room temperature for at least 24 hours. The optimal temperature for the can is 68°F.

**Foam Application:** It is important to wear protective gloves. Shake the can thoroughly before use. Attach the can to the applicator. Hold the can upside down and activate the foam by pressing the valve. Always handle the canister with the valve pointing downward. Moisturizing the surfaces and the foam will enhance adhesion and shorten the curing time. When filling vertical gaps, start from the bottom and work upward. Avoid completely filling the gap as the foam will expand in volume.

**Tooling and Finishing:** Once the foam has fully hardened, protect it from UV rays by using materials like plaster or paint. To prevent the foam from drying in the applicator, it is recommended to use the entire can without pausing for more than 5 minutes between sprays.

**Cleaning:** Fresh foam can be cleaned with Foam Cleaner. Cured foam can only be cleaned mechanically.

### Remarks & Restrictions

- The curing process depends on temperature and humidity. Decreasing ambient temperature below the minimum application temperature within 24 hours after application can impact the quality and effectiveness of the seal.
- Rushed surface preparation can cause irreversible changes in the foam structure and affect its stability and utility parameters.

- The quality and condition of the applicator used can impact the final product's properties.
- The foam should not be used in poorly ventilated areas without fresh air or in places exposed to direct sunlight.
- Working with the foam in any other position than "valve facing down" will reduce its effectiveness.
- Cured foam may discolor when exposed to ultraviolet light.
- For outdoor applications, it is recommended to paint or coat the cured foam for optimal results.
- Lower temperatures will decrease the yield and curing time.

### Product Information

<b>Packaging</b>	Net 24 Fl. Oz. / 690 g. / 750 ml
<b>Shelf Life</b>	12 months
<b>Storage</b>	At cool and dry ambient. In between +41°F to +86°F. max. 60% relative humidity.

### Technical Data

Parameter	Method / Conditions	Value
<b>Basis</b>		Polyurethane Prepolymer
<b>Curing Mechanism</b>	Moisture cure	
<b>Full Cure Time</b>		24 hours
<b>Foam Color</b>		Yellowish/Beige
<b>Yield</b>		151 ft <sup>2</sup>
<b>Flammability Class</b>	DIN 4102-1	B3
<b>Tack-Free Time</b>	ASTM C1620 – TM 1014 : 2013*	3 ± 1 min
<b>Cutting time</b>	ASTM C1620 – TM 1005 : 2013*	≤40 min
<b>Shear Strength</b>	EN 12090 - TM 1012 : 2013*	130-150 kgf/cm <sup>2</sup>
<b>Can/Applicator Temperature</b>	Optimal 20°C	Between +41°F and +86°F
<b>Temperature Resistance</b>	Cured Foam	Between -103°F and +239°F
<b>Application Temperature</b>	Ambient and surface	Between +21°F and +86°F

### Safety

Contains Diphenylmethane-4,4'-Diisocyanate. Harmful if inhaled. Irritating to the eyes, respiratory system, and skin. Avoid breathing the spray/vapor. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Pressurized container. Keep away from direct sunlight and do not expose to temperatures over 122°F. Do not puncture or burn, even after use. Keep away from sources of ignition and do not smoke. Keep out of the reach of children.

### Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.