

ADFOAM BOND PLUS 1851 Polyurethane Adhesive

DESCRIPTION

ADFOAM BOND PLUS 1851 is a polyurethane adhesive specially designed for bonding non-porous or slightly porous materials. As a crosslinking agent for ambient humidity, this polyurethane adhesive is applied using a spray gun. Compared with other polyurethane foams, ADFOAM BOND PLUS 1851 is not an expansive foam and remains in the form of thin strips when applied. It is ideal for bonding subfloor, rigid insulation (EPS or XPS) as well as masonry products.

PRODUCT CHARACTERISTICS

- Meet ASTM D3498 Standard Specification for Adhesives for Field-Gluing Wood Structural Panels (Plywood or Oriented Strand Board) to Wood Based Floor System Framing.
- Mono-component, quick-drying, easy
- Ideal for boning subfloor
- Ideal for bonding rigid insulation (EXP or XPS)
- Ideal for bonding drywall
- Ideal for bonding bricks and concrete blocks
- Very good adhesion on the concrete and the different stones used in the construction.
- Can be used for indoor and outdoor bonding
- Very good resistance to climatic variations.
- Does not form thermal bridges, excellent thermal insulation.
- Economical, practical, and easy to use.
- Minimal expansion during the crosslinking process.
- Once cured, there is no expansion or loss of product.
- Does not add any additional weight or load to the construction assemblies
- Can be used at low temperatures (0°C/32°F).

PHYSICAL PROPERTIES

Base	One component polyurethane
Consistency	Stable foam adhesive
Curing system	Moisture cure at room temperature
Density	1 – 1.2 g/L
Application temperature	5°C/41°F to 35°C/95°F (optimal 15°C/59°F to 20°C/68°F)
Skin formation	10 minutes at 23°C (73°F) / 50% R.H.
Full cure	12 hours at 23°C (73°F) / 50% R.H.
Yield	Up to 70 meters / 230 feet
Fire resistance	B3 / F (DIN_4102-1)
V.O.C.	232 g/L
ASTM D3498 on dry lumber (Douglas Fir)	806 PSI
ASTM D3498 on wet lumber (Douglas Fir)	760 PSI
ASTM D3498 on frozen lumber (Douglas Fir)	792 PSI

ADFOAM BOND PLUS 1851
Polyurethane Adhesive**APPLICATIONS**

- Bonding of non-porous or slightly porous materials
- Bonding subfloor
- Bonding drywall
- Bonding pavers, tiles, etc.
- Bonding of stone blocks and concrete
- Bonding of EPS / XPS materials (only for horizontal assemblies)

METHOD OF USE

Surfaces must be free of dust, grease, frost, or any other contaminant. Clean surfaces with ADFOAM CLEANER 500. Allow to evaporate 20 minutes before application. Before the application of the adhesive, the support may be wet, but frost or ice must be avoided. Please note that ADFOAM BOND PLUS 1851 cannot be used for PE, PP, PTFE, and silicone materials. For optimal application it is recommended to have the can at room temperature (between +15°C/59°F and +20°C/68°F). The maximum temperature difference between the can and the substrates is 5°C/41°F. For optimal application of the product, it is recommended to use ADFOAM BOND PLUS 1851 with temperatures not exceeding +5°C/41°F to +35°C/95°F. Shake the can for at least one minute before application. Screw the gun to the valve. Shake the can regularly during the application. The application of the product is done with the valve fixing the soil. The amount of adhesive desired during application is adjusted using the gun. Sufficient product must be applied to the surfaces and / or materials to be bonded to obtain the best results. It is possible to rework glued materials and surfaces within 15 minutes of application of the product. It is necessary to protect the bonding surfaces from UV rays. The product, if not polymerized, can be removed using ADFOAM CLEANER 500. The hardened adhesive can be removed mechanically only. If you need to clean the gun, use the ADFOAM CLEANER 500 generously to remove any residue inside the gun.

PACKAGING

750 ml aerosol can (12 per box)

SHELF LIFE

18 months from date of production in unopened packaging with cool 41°F to 77°F (+5°C to +25°C) and dry storage. Cans must be stored upright to prevent blockage of spray valve. Once opened, keep container tightly closed and use within a short period.

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Polyurethane Adhesive**SAFETY RECOMMENDATIONS:**

Observe the standard industrial hygiene procedures. Wear protective goggles and gloves. Remove cured adhesive mechanically, never remove with flame. For further information on product safety and handling, refer to the information on the container. If you need additional information, do not hesitate to contact your technical representative. Always test product on your specific application prior to use. Please refer to SDS (Safety Data Sheet) before use. For Industrial Use Only.

IMPORTANT**READ CAREFULLY**

The information and recommendations contained herein are derived from our research and information from other reliable sources. This data applies only to our products and not when used with other products. We believe in the reliability of our information. However, no guarantee is offered to that effect. It is the responsibility of the buyer to verify this data according to their own operating conditions to ensure that they conform to the purpose for which the product is intended, even before using it.

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