

FIBRAN Bond

Polyurethane Foam Adhesive

Technical Data Sheet / May 2025



Description

FIBRAN Bond is a moisture-curing one-component polyurethane aerosol foam adhesive available as gun and/or straw foam. It contains an environmentally safe propellant, which complies with the latest EU regulations banning all CFC- and HCFC-propellants.

FIBRAN Bond foam adhesive can be used at temperatures from +5°C to +35°C.

Installation

Application

Prior to spraying the foam, surfaces must be dry, firm, clean and free of dust, grease or loose particles. The foam adheres well to most common building materials like wood, concrete, render, plaster board, metal and insulation materials as **mineral wool, XPS, EPS**, PUR and PIR foams.

The adhesion may not be satisfactory at polyethylene or other polyolefin foils as well as silicone, oil or grease contaminated surfaces.

How to Apply the Product

1. Shake the can vigorously at least 20 times.
2. Screw the gun onto the valve.
3. Open the dosing knob at the rear of the gun dispenser.
4. To extrude the foam, make sure the can is in an upright position with the valve down and carefully pull the gun trigger.
5. Discard the first 10– 20gr of a fresh can.
6. The applied amount can be dosed by pulling the trigger or the dosing knob at the back of the gun.

Curing and Ease of use

The foam cures quickly. Cured foam can only be removed mechanically. Fresh foam remains can be removed with the PU foam cleaner. Curing time is generally 12 hours, but the actual curing time is dependent on the application temperature. Fibran™Bond is available as gun foam adhesive. It is applicable for vertical and horizontal bonding of most common building materials such as insulation boards and plasterboards.

Equipment

If the can is empty just connect a new one, if needed clean the gun valve and tip. During short interruptions for a few hours or maximum a day, leave the can connected to the gun and only close the dosing knob at the back. During long interruptions, more than a day detach the gun from the can and clean both using the PU foam cleaner.

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Technical Characteristics

Technical characteristics	Unit	FIBRAN™ Bond Gun foam adhesive	Test method
Color	-	Green	Visual
Cut time	Min	15	FEICA TM1009
Tack free time	Min	5	FEICA TM1014
Tensile bond strength	kPa	≥80	FEICA TM1014
Reaction to fire	-	B2	DIN 4102-1
Yield @ 23°C	m	60	Internal method
Yield @ 5°C	m	40	Internal method

Handling

Important

Note that the curing behavior of the foam can change with ambient conditions (temperature and humidity). For fast and homogeneous foam curing humidity is needed, but excessive moistening may negatively affect the bond strength and shall be avoided. The cured foam is resistant to temperatures in the range of -40°C to +100°C. The foam exhibits a high durability, if protected from direct sunlight i.e. UV radiation.

Shelf Life and Storage

Store and transport the cans always in an upright position and in dry conditions. Protect the product and accessories from direct sunlight.

Storage temperature: +5°C to +25°C

Shelf life: 18 months

Precautionary Statements

Read and follow the entire Installation and Handling section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. They contain important information on applicable safety regulations and the provisions on the protection of health. Material safety data sheets are revised regularly – please request and note the latest version before using/processing.

Supplemental Information

Fibran™ Bond Foam Adhesive is very sticky and will adhere to most surfaces and skin. Do not get foam on skin. Cover all skin, wear long sleeves, gloves, and goggles or safety glasses.

Packaging

Tinplated steel cans 870ml, box of 12 cans each.



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