

CHEMIFOAM PU FOAM B2 INSULATION SPRAYABLE

PRODUCT DESCRIPTION

CHEMIFOAM PU FOAM B2 INSULATION SPRAYABLE is a ready-to-use, one-component polyurethane foam with self-adhesive and low-expansion properties, which cures on contact with ambient humidity. It can be applied easily and efficiently using the specific applicator nozzle attached to the foam gun. Suitable for large, regular or irregular surfaces, it provides excellent thermal insulation due to its very low conductivity, forming a continuous thermal insulation layer that works effectively in complex or hard-to-reach areas. This heat-resistant foam is commonly used for the insulation of roofs and walls, offering a modern alternative to traditional materials such as polystyrene thermal insulation boards, glass wool or rock wool.

CHARACTERISTICS

- ✓ Professional quality
- ✓ Very low thermal conductivity, forming a continuous insulating layer.
- ✓ Excellent resistance to cracks, heat and moisture.
- ✓ Fast curing.
- ✓ Remains flexible and does not become brittle.
- ✓ Strong adhesion to a wide range of construction materials.
- ✓ Superior thermal and acoustic insulation.
- ✓ High application efficiency, covering up to 10 m² per hour.
- ✓ Uniform structure with no thermal bridges.
- ✓ Low monomeric isocyanate content, below 0.1%.
- ✓ Levels irregular surfaces.
- ✓ Suitable for vertical applications.

TECHNICAL SPECIFICATIONS

Properties	Value
Composition	Polyurethane
Healing system	contact air humidity
Film formation time	~20 min
Healing time	24 hours
Performance	Aproximately 2m ² (2-3cm thick)
Thermal conductivity (35°C)	0,036 W/(m.K)
Shear strength	150 kPa
Tensile bond strength	70 kPa
Temperature resistance (after curing)	-40°C a +90°C
Application temperature	5°C a +30°C
Color	White

The results were obtained under excellent environmental conditions.

The film formation and curing speed can vary depending on environmental factors such as temperature, humidity, and substrate type..



USE WITH GUN

LOW EXPANSION

APPLICATIONS

This product can adhere to the surface of various construction materials, such as metal, plasterboard, bricks, concrete, stone, EPS, wood, OSB panels, PVC, etc.

Suitable for insulating ceilings, interior partitions, walls, masonry walls, frames, pipes, attics, basements, garages, workshops, balconies, roofs or roof coverings.

The adhesive foam is ideal for the construction of retaining walls, partition walls, plasterboard, plywood, jambs, annexes and a wide range of other brick or block structures.

Specially designed for narrow areas and difficult-to-access applications.

Sealing of doors, walls, lintels, ceilings and other construction elements, reducing the risk of thermal bridges.

METHOD OF APPLICATION

PREPARATION

- The application temperature is between +5 °C and +30 °C. For more effective application and expansion, the can should be at a temperature of +15 °C. It should be kept at room temperature for at least 12 hours before application.
- Shake the can vigorously for approximately 1 minute before use, with the valve facing downwards.
- Screw the applicator or gun onto the valve of the foam can.

APPLICATION

- Always keep the can upside down during application.
- It is recommended to moisten the area before applying the foam, as moisture accelerates curing time, improves adhesion and ensures a better result.
- Apply the foam by pressing the trigger onto the material to be bonded, in horizontal and vertical strips 2–3 cm wide. The application surface should be 5 cm inwards from the edges. Apply the foam at a distance of 30–40 cm from the surface. Wait 1 minute after applying the foam, then the surfaces can be joined. If the material to be bonded is heavy, it should be clamped until curing is complete. The application can be adjusted within 5 minutes.
- When application is interrupted for a period of 10 to 15 minutes, the gun must be cleaned using CHEMIFOAM POLYURETHANE FOAM CLEANER SPRAY.

CLEANING

- Fresh foam can be cleaned with CHEMIFOAM POLYURETHANE FOAM CLEANER SPRAY, as can the gun used for application.
- Cured foam can be removed mechanically.

PAINTING

- Once cured, the foam can be cut, sanded, plastered or painted.

RESTRICTIONS OF USE

Adheres to all construction materials except silicone, Teflon, polyethylene and polypropylene.

Due to the wide variety of possible substrates, a preliminary compatibility test is recommended.

SAFETY INFORMATION


As of 24 August 2023, adequate training is required before industrial or professional use. For more information, please refer to the product label and/or the safety data sheet.

STORAGE CONDITIONS AND SHELF LIFE

It must be stored and transported in an upright position. Store in a cool, dry and well-ventilated environment, between +5 °C and +25 °C, away from sources of heat and moisture. Storage outside these conditions will shorten the shelf life.

Shelf life: 18 months.

PACKAGING

SAP	Type	ml		EAN
CH06000005	gun	750	12	5608907535516

Note: This technical data sheet cancels and replaces any previously issued versions for the same product. The technical information provided, whether verbally or in writing, is based on our current knowledge, given in good faith and supported by various laboratory tests. Considering the diversity of factors that may affect the product during its use, as well as the various application techniques, the user is responsible for confirming and carrying out their own tests and trials to determine whether the product is suitable for the process and type of use in question. For these reasons, any application of the product is carried out under the sole responsibility of the user, and CHEMITOOL – LUSAVOUGA S.A. cannot be held liable for any losses or damages directly or indirectly resulting from the application. All product characteristics, specifications and images are subject to change without prior notice.