

SUPERIOR MULTI-PURPOSE PU FOAM COMBI

CHEMIFOAM
PU FOAM B3
COMBI



INSULATION



FRAMING



SECAGEM RÁPIDA



INTERIOR/EXTERIOR



EXCELENTE ADESIÃO



CONSTRUCTION



RESISTENTE À FISSURAS



RESISTENTE INTEMPÉRIES



MÚLTIPLOS SUBSTRATOS



PINTÁVEL



18M

Min: +5°C

Max: +35°C



UTILIZAÇÃO COM PISTOLA



UTILIZAÇÃO MANUAL

PRODUCT DESCRIPTION

CHEMIFOAM PU FOAM B3 COMBI is a single-component, self-expanding polyurethane foam that cures in contact with water and air humidity. It has a double valve for application with a hand cannula or a spray gun, offering greater performance.

High-quality, with excellent adhesion and filling capacity, and high thermal and acoustic insulation.

CHARACTERISTICS

- ✓ Professional qualification
- ✓ Easy to apply and reuse
- ✓ Does not contain gases that are harmful to the ozone layer
- ✓ Excellent expansion rate, adhesion, and filling capacity
- ✓ High thermal and acoustic insulation
- ✓ Economical consumption thanks to precise application
- ✓ High yield of up to 45 liters, depending on temperature and humidity
- ✓ Complies with fire class B3 according to DIN 4102-1
- ✓ Fast curing
- ✓ Non-shrinking
- ✓ Paintable
- ✓ Special valve that allows for manual or spray application

TECHNICAL SPECIFICATIONS

Properties	Value
Composition	Polyurethane
Healing system	contact air humidity
Specific density	20 ±3 Kg/m³
Film formation time	5-6 min
Cut off time	20-30 min
Full cure time	24 horas (complete cure)
Fire resistance	B3
Compression strength	41,8 KPa
Tensile strength	82,9KPa
Temperature resistance	-30°C a +80°C
Application temperature	5°C a +35°C
Color	Pale Yellow

Results tested in the laboratory.

APPLICATIONS

CHEMIFOAM PU FOAM B3 COMBI was developed for fixing and insulating door frames, windows, and shutter boxes, filling and sealing cracks, joints, and cavities, filling passages in walls, ceilings, and prefabricated structures, insulating electrical outlets and water pipes, etc.

Applicable to almost all substrates such as concrete, plaster, wood, and plastic. Insulation and fixing of various materials in construction and reconstruction.

METHOD OF APPLICATION

PREPARATION

- The application temperature is between +5 °C and +30 °C. For a more effective application and expansion, the packaging must be at a temperature of +20 °C. It should be kept at room temperature for at least 12 hours before application.
- Shake can vigorously for approximately 1 minute before use, with valve turned low.
- Screw the foam can onto the **applicator gun**, the foam output can be adjusted with the trigger and controlled with the adjustment screw on the back of the gun **OR** in case of **manual application** place the cannula on the can, the foam extrusion can be controlled by varying the pressure on the adapter.

APPLICATION

- You should always keep the can head to bottom during application.
- It is recommended to moisten the area before applying the foam, humidity speeds up the cure time, better adhesion and guarantees a better result.
- Apply to foam by pressing the trigger, not material to be cast in horizontal and vertical strips 2-3 cm long. The application surface must be 5 cm inside the edges. Wait 1 minute after applying the foam and you can join the surfaces. If the material is heavy, it must be clamped at the end of the cure. The application can be corrected in 5 minutes.
- When the application is interrupted for a period between 5 and 10 minutes, it is necessary to clean the gun, using **CHEMIFOAM POLYURETHANE FOAM CLEANING SPRAY**.

CLEANING

- The fresh foam can be cleaned with the **CHEMIFOAM POLYURETHANE FOAM CLEANING SPRAY**, just like the gun used in the application.
- Cured foam can be cleaned mechanically with a knife or spatula.

PAINT

- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat cured foam for best results in outdoor applications.

RESTRICTIONS OF USE

Does not adhere to PE, PP, PTFE, PMMA, neoprene, and silicone.

Not UV-resistant, painting is recommended to prevent fading.

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

For joints deeper than 5 cm, fill with multiple layers.

SAFETY INFORMATION

It should be used in well-ventilated areas, avoiding contact with skin, eyes, and mucous membranes. Keep out of reach of children.


For more information and advice on the safe handling, storage, and disposal of chemical products, consult the most recent version of the Material Safety Data Sheet, which contains physical, ecological, toxicological, and other safety-related data.

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 humidity. The storage outside of these conditions will be preserved or within the validation period.

Shelf life is 18 months.

PACKAGING

SAP	Description	TYPE	ml		EAN
CH06000009	CHEMIFOAM PU FOAM B3 COMBI	2 in 1 valve (manual and gun)	750	12	5604630166485

Note: This technical sheet cancels and replaces others previously issued for the same product. The technical information given, verbally or in writing, is based on our current knowledge, given in good faith and supported by various laboratory tests. Taking into account 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 his own tests and experiments, 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 cannot. be liable for any losses or damages, directly or indirectly resulting from the application. All product features, specifications and images are subject to change without notice.