

OLIVÉ PU-47

HIGH YIELD GUN FOAM

Technical Data Sheet - Version 2.0 - October '19

PRODUCT DESCRIPTION:

OLIVÉ PU-47 is a one-component self-expanding construction polyurethane gun foam with a high-quality structure, which cures by reacting with the moisture from the air and the substrates.

OLIVÉ PU-47 is easy to use and once cured is a very good temperature and sound insulator with very excellent adhesive properties.

Cured foam dries rigid and can be trimmed, shaped and sanded, but is sensitive to UV-light and direct sunlight.

MAIN BENEFITS:

- Adheres well to most construction materials, like wood, concrete, stone, plaster, metal, PVC and polystyrene.
- Can be used in higher temperatures, resisting foam collapse.
- High yield due to its extra low density. Allows doing more work with one can.
- Excellent thermal and acoustical insulation.
- No shrinkage after curing. Stable foam dimensions.
- Reduces the impact of thermal bridges.
- Low curing pressure and moderate post expansion, without risk of deforming construction elements.
- Can be painted or coated when fully cured.
- Ready to use.

ENVIRONMENTAL REGULATIONS:

- French VOC-emission class A+.
- It contains propellant gases that are harmless to the ozone layer.



PACKAGING INFORMATION:

1000 ml aerosol can, content 750 ml,
12 pcs in a box.

COLOUR:

Light yellow.

STORAGE:

The cans must be stored and transported in vertical position.

Store in a cool and dry place at temperatures between +5 °C and +30 °C.

The foam cans must not be stored above +50 °C, in vicinity of heat sources or in direct sun light.

Guaranteed storage time in unopened package is 12 months. The 'Best Before' date is shown on the pack.



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

FIELDS OF APPLICATION:



Used for installing doorframes and windows, insulation and fixation of penetrations and air conditioning conducts, filling of holes and gaps as well as for sound and thermal insulation.

Insulation of pipes and electrical wiring.

TYPICAL TECHNICAL DATA:

Tack free time:	(TM 1014)	6-10 minutes
Cutting time:	(TM 1005)	< 30 minutes
Completely cured in joint, 3x5 cm (+23°C):		< 8 h
Curing pressure (moistened surfaces):	(TM 1009)	< 2 kPa
Post expansion	(TM 1010)	< 80%
Density in joint, 3x10 cm:	(WGM106)	12-16 Kg/m ³
Dimensional stability:	(TM 1004)	< 2%
Fire class of cured foam:	(DIN 4102-1)	B3
Tensile strength/elongation (dry surfaces):	(TM 1018)	> 85 kPa / 16%
Tensile strength/elongation (moistened surfaces):	(TM 1018)	> 95 kPa / 13%
Compression strength (moistened surfaces):	(TM 1011)	> 25 kPa
Shear strength (moistened surfaces):	(TM 1012)	> 35 kPa
Thermal conductivity:	(EN 12667, TM 1020)	0,033 W/(m·K)
Sound reduction index R _{st,w} :	(EN ISO 10140)	60 dB
Water vapour permeability:	(EN 12086)	< 0,06 mg/(m·h·Pa)
Foam yield in joint, 3x5 cm, per 750 ml filling rate	(WGM107)	20 m
Foam yield, per 750 ml filling rate	(TM 1003)	55 l
Application temperature:		+5°C to +40°C
Can temperature:		+5°C to +35°C
Temperature resistance of cured foam:		-50°C to +90°C

The values specified were obtained at 23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

DIRECTIONS FOR USE:

A. Application conditions:

Air temperature during use +5°C and +40°C, best results at +20 °C. Recommended can temperature during application +5°C to +35°C, best results at +20 °C. At low temperatures foam can must be warmed before work in warm room or water. Temperature of room or water must not exceed +30 °C.

B. Application instructions:

Protect eyes and wear gloves and working clothes. Protect adjacent surfaces with paper, plastic film or other suitable material.

Hold the foam can in upright position. Turn the gun to the can by holding the gun handle with one hand, and turn the can with the other hand. Make sure that the gun is not pointed at other persons when turning it. The can must not be screwed to the gun with the valve upside down or by turning the gun on the can. Turn the can upside down and start applying.

After fixing the gun, shake the can vigorously at least 20 times. The foam output can be regulated by the gun trigger.

Substrates must be clean from ice, dust, oil, loose particles and grease. Substrates should be moistened as the foam expands due to the moisture. A moistened surface ensures better results. (If no moisture is available, foam will collapse into itself as it cures).

When applying foam in layers moisten slightly between each layer.

Half fill the cavity and spray lightly the foam with water. The foam will expand to fill the rest. When fixing window frames, hold the frame in place for approximately 24 hours until the foam is fully cured.

Cured foam can be painted with water-based paints.

C. Cleaning:

Uncured foam can be cleaned from tools and surfaces with OLIVÉ CLEANER R-47. Cured foam can be removed mechanically.

Remarks:

Unsuitable for fire protection.

There is no adhesion to PE, PP, PTFE (Teflon®) and silicones. Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.

Cured foam is sensitive to UV-light and direct sunlight (it will discolor), and therefore must be covered with suitable opaque sealant, filler, paint or other material.

Safety:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

The product contains flammable propellants. Protect from overheating and keep away from ignitions sources. Do not smoke during application.

May cause sensitisation by inhalation and skin contact. Use only in well-ventilated areas. Use protective gear when necessary. Keep out of the reach of children. Cured foam can be handled without any danger to health.

The information regarding the safety of the product is available on safety data sheet (SDS). Before using the product, we recommend to read carefully the SDS and the safety labels.

GUARANTEE INFORMATION:

Krimelte Iberia warrants that its product complies, within its shelf life, to its specification.

If any responsibility were to be considered ours, this would be only for any damages and for the value of the merchandise supplied by us and used by the customer. It is over understood that we warranty the irreproachable quality of our products in accordance with our General Conditions of Sales and Supply.

Liability

The information in this document, in particular recommendations regarding the application and final use of our products, are given in good faith based on our knowledge and is the result of tests and experience and are intended as guidelines. It is the responsibility of the user to determine whether the product is suitable for the application. Due to the great variety of materials and conditions, which are beyond our knowledge and control, we recommend carrying out sufficient previous trials.

The property rights of third parties must be respected.

This TDS replaces and supersedes all previous data sheets on the same product.

Olivé

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