



Product code : 74109

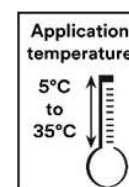
EMFIMASTIC PU 25 VLS

DESCRIPTION

EMFIMASTIC PU 25 VLS is a single component polyurethane based elastomeric sealant. It forms a joint of high elasticity and has a good resistance to tear and to weather.

EMFIMASTIC PU 25 VLS has CE marking for following application: sealant for facade elements for interior and exterior applications usable in cold climate according to European Standard EN 15651-1 (F EXT-INT CC).

EMFIMASTIC PU 25 VLS complies with the certification of the standard NF EN ISO 11600 for the class F 25 LM.



AREAS OF APPLICATIONS

EMFIMASTIC PU 25 VLS is specially adapted for bonding various building materials and for expansion joints.

This sealant adheres without primer on substrates commonly used, like wood, anodized aluminium, polyester, glass, concrete, baked clay, stone, ceramic tiles.

For difficult materials, including plastics such as PVC, ABS, PMMA, or materials such as raw aluminium or lacquered metal, perform preliminary tests to determine whether a surface preparation is necessary.

TECHNICAL DATA

Appearance	Pasty
Color	Black, white, grey. Contact sales department for other available colors.
Density at 20°C	Black: 1.15 ± 0.02 - Other: 1.16 ± 0.02
Sagging (ISO 7390)	< 3 mm
Application temperature	5 to 35°C
Skin formation time at 23°C and 50 % RH	5 to 10 h *
Cure time at 23°C and 50 % RH	> 2 mm after 24h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 25 after 14 days
Modulus at 100 % (ISO 8339)	≤ 0.4 MPa
Elongation at break (ISO 8339)	> 400 %
Tear strength (ISO 34)	Approx. 6.5 N/mm
Temperature resistance	-40 to +80°C (on cured sealant)

Product code : 74109 - Version 10 from 25-07-2023
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Resistance to dilute acids and bases	Average
UV resistance	Good
Weatherability	Good
Compatibility with paints	On cured sealant: <ul style="list-style-type: none"> - water based paints: yes - solvent based paints: carry out tests beforehand
Specific data	<p>Classification according to ISO 11600 standard: Class F – 25 LM - Aup* – M2up* (* up: means without primer).</p> <p>Classification according to ASTM C-920 standard: Type S, Grade NS, Class 25, uses NT, T1, A and M.</p> <p>Doesn't stain the marble or granite stone (tests according to ASTM C-1248-93 standard).</p>

* this time depends on hygrometry and ambient temperature. In order to ensure a good adhesion, it is mandatory to do the bonding before the product has formed its skin.

INSTRUCTIONS FOR USE

Substrate preparation:

The substrates must be clean, even, dry, dust free and not have any traces of grease or other contaminants that could harm bonding.

If the substrates need to be cleaned, use EMFINET 683, methylethylketone (MEK), acetone or DEGREASER 1001. For materials sensitive to ketones, use ethanol.

Check their compatibility with the substrates.

If necessary, apply a primer - contact our technical department if needed.

It is recommended to rub down concrete, particularly cement film residue, with a metal brush. After scraping, remove the dust.

If necessary, rub down metallic surfaces beforehand (especially in presence of oxidation). After rubbing down, clean them with a solvent and allow to dry for at least 10 minutes.

Note: when using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer.

Caulking:

EMFIMASTIC PU 25 VLS can be applied by a manual or pneumatic gun.

Use a polyethylene backing foam in order to:

- avoid adhesion of the sealant on the bottom
- observe width/ depth ratio defined by the following rule: optimal joint's depth = joint's width / 2, with a minimal depth of 8 mm.

It is possible to realize joints from 10 to 35 mm width with this sealant.

After application, use a putty knife to smooth the joint with soapy water.

Cleaning:

Tools can be cleaned with EMFINET 683, methylethylketone (MEK), acetone or EMFICLEAN AL wipes before the sealant has completely cured. After curing, abrasion is necessary.

LIMITATIONS

This product should be used within 24 hours which follow the opening of the packaging; otherwise, the sealant could cure.

Do not apply at a temperature below 5°C.

Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

CONSUMPTION

300 ml cartridge, depending on the diameter of the cannula:

Diameter of the cannula (mm)	2	3	4	5	6	7	8	9	10
Length (linear meter)	95	42	24	15	10,5	7,5	5,5	4,5	3,5

600 ml sausage, depending on the diameter of the cannula:

Diameter of the cannula (mm)	2	3	4	5	6	7	8	9	10
Length (linear meter)	190	85	47	30	21	15	11	9	7

300 ml cartridge, depending on the width of the joint (ensure compliance with the sizing rule specified in the Instructions for use):

Width of the joint (mm)	10	15	20	25	30	35
Length (linear meter)	3,8	2,5	1,5	1,0	0,7	0,5

600 ml sausage, depending on the width of the joint (ensure compliance with the sizing rule specified in the Instructions for use):

Width of the joint (mm)	10	15	20	25	30	35
Length (linear meter)	7,5	5,0	3,0	1,9	1,3	0,9

For information purpose, dependent on the bonding conditions (surface's state, substrates, etc.)

STORAGE AND SHELF LIFE

12 months in closed original packaging stored at a temperature below 25°C.

In cold weather, store the packaging at about 20°C before use.

PACKAGING

300 ml cartridges and 600 ml sausages.

Contact us for other packaging options.

SAFETY

Read material safety data sheet before use.

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