



Product code : 74114

## EMFIMASTIC PU SOL

### DESCRIPTION

EMFIMASTIC PU SOL is a self-leveling one component elastomeric sealant based on polyurethane. After application, it cures under the effect of atmospheric humidity or substrates humidity to form a flexible and resistant joint presenting very good adhesion on most of the substrates commonly used in the building industry.

EMFIMASTIC PU SOL has CE marking for following application: sealant for pedestrian walks for interior and exterior applications usable in cold climate according to European Standard EN 15651-4 (PW EXT-INT CC) with primer on concrete.

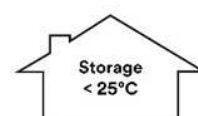
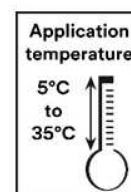
### AREAS OF APPLICATIONS

EMFIMASTIC PU SOL is specially adapted for sealing joints or horizontal expansion joints (indoor and outdoor) in the building, industry and civil engineering industries (industrial floors exposed to traffic, garages, warehouses).

It may also be used for paving joints on materials like concrete or cement screed.

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

EMFIMASTIC PU SOL must not be used in toys and childcare articles which can be placed in the mouth by children.



### TECHNICAL DATA

Appearance	Thixotropic paste
Color	Grey, white, black
Viscosity at 20°C	Brookfield RVT 7 / 5 rpm: approx. 50.000 mPa.s
Density at 20°C	1.15 ± 0.02
Application temperature	5 to 35°C
Skin formation time at 23°C and 50 % RH	Approx. 60 min *
Cure time at 23°C and 50 % RH	4 mm after 24h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 40 after 14 days
Modulus at 100 % (ISO 8339)	Approx. 0.4 MPa
Elongation at break (ISO 8339)	> 500 %
Temperature resistance	-40 to +90°C (on cured sealant)

Product code : 74114 - Version 13 from 16-08-2021  
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Resistance to dilute acids and bases	Average
UV resistance	Good
Weatherability	Excellent
Compatibility with paints	On cured sealant: - water based paints: yes - carry out tests beforehand - solvent based paints: carry out tests beforehand

\* 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

### Substrates preparation:

The substrates to be bonded 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. A surface preparation with PRIMER 2001 is recommended in case of difficult surface, humid substrate or subjected to a high traffic - 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.

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, with up to 3 % slope.

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

### Assembling:

EMFIMASTIC PU SOL can be applied by a manual or pneumatic gun or a squeegee.

### 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.

Do not use on recent bituminous substrates because of oil exudation risk.

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

## CONSUMPTION

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

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

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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.

Keep out of reach of children.

#### PACKAGING

600 ml sausages and 6 kg metal drums.

Contact us for other packaging options.

#### SAFETY

Read material safety data sheet before use.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.