



Product code : 75044

EMFIMASTIC MS 60 NG

DESCRIPTION

EMFIMASTIC MS 60 NG is a ready to use single component elastomeric sealant, based on silane terminated polymer.

After application, it cures under the effect of atmospheric humidity or substrates humidity to form a flexible joint.

EMFIMASTIC MS 60 NG has CE and UK CA markings for following applications:

- sealant for facade elements for interior and exterior applications according to European Standard EN 15651-1 (F EXT-INT).
- sealant for pedestrian walks for interior and exterior applications according to European Standard EN 15651-4 (PW EXT-INT).

This product has a fire resistance certificate according to the European directive on marine equipment in force.

Its classifications EC1^{PLUS} according to EMI CODE and A+ according to French decree n° 2011-321 guarantee a very low emission of VOC (volatile organic compounds).

AREAS OF APPLICATIONS

EMFIMASTIC MS 60 NG is specially adapted for elastic structural bonding of materials subjected to high thermal and mechanical stress in the construction market, the general industry and the transportation market (e.g. in industrial and / or refrigerated bodywork for the bonding of side panels, front and rear masks, roof and floor, the body assembly, etc.). The use of this sealant also permits to reduce vibrations and prevent corrosion.

Its excellent UV resistance and color stability make it ideal for sealing applications in- and outdoor.

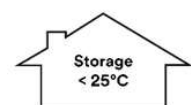
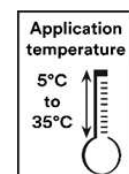
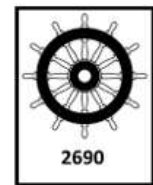
Its adhesion is excellent on most of the substrates commonly used like anodized and pre-painted aluminium, coated and non-ferrous metals, steel, polyester, as well as tiling, plaster, glass, wood, PVC, polystyrene, stone, etc.

However, due to the large variety and quality of these substrates as well as installation conditions, it is recommended to do preliminary tests on difficult materials, particularly on metals and plastic substrates like PVC, PMMA or ABS, to determine whether a surface preparation is necessary.

Not suitable for substrates like PE, PP, Teflon.

Avoid any contact with oils, plasticizers or products like bitumen, asphalt, silicone, etc.

EMFIMASTIC MS 60 NG must not be used in toys and childcare articles which can be placed in the mouth by children.



TECHNICAL DATA

Appearance	Thixotropic paste
Color	Black, white, grey. Contact sales department for other available colors.
Density at 20°C	Black: 1.27 ± 0.02 / Others: 1.34 ± 0.02
Sagging (ISO 7390)	< 2 mm
Application temperature	5 to 35°C
Skin formation time at 23°C and 50 % RH	20 ± 10 min *
Cure time at 23°C and 50 % RH	≥ 3 mm after 24h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	≥ 50 after 14 days
Modulus at 100 % (ISO 37)	Approx. 1.0 MPa
Modulus at break (ISO 37)	Approx. 2.6 MPa
Elongation at break (ISO 37)	Approx. 400 %
Tear strength (ISO 34)	Approx. 10 N/mm
Volume loss (ISO 10563)	< 2 %
Temperature resistance	-40 to +100°C (on cured sealant)
UV resistance	Excellent
Compatibility with paints	On cured sealant: <ul style="list-style-type: none">- water based paints: yes - carry out tests beforehand- solvent based paints: carry out tests beforehand
Specific data	NSF S2 registration (grey and white colors)

* 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.

It is recommended to rub down concrete, particularly cement film residue, with a metal brush. After scraping, remove the dust. On concrete, if the surface is poorly cohesive, apply PRIMER 2001.

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 MS 60 NG can be applied by a manual or pneumatic gun.

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 or over 35°C. Avoid any contact with non-cured polyurethanes during curing.

CONSUMPTION

290 ml cartridge

Diameter of the cannula	2	3	4	5	6	7	8	9	10
Length (linear meter)	92	41	23	14	10	7.5	5.5	4.5	3.5

600 ml sausage

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

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. Not frost sensitive (-5°C).

PACKAGING

290 ml cartridges and 600 ml sausages. 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.