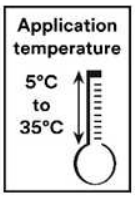
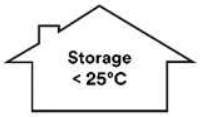
EMFIMASTIC HIGH POWER

DESCRIPTION





EMFIMASTIC HIGH POWER is a single component high-viscosity elastomeric sealant, based on silane terminated polymer and presenting high immediate bonding properties.
After application, it cures under the effect of atmospheric humidity or substrates humidity to form a flexible joint presenting a high resistance to tear.

AREAS OF APPLICATIONS

EMFIMASTIC HIGH POWER can be used in the building and general industries, indoor or outdoor, to bond elements which may be subject to vibrations or deformations.
The adhesion is excellent on a wide range of substrates commonly used in the building industry (tiling, glass, wood, PVC, pre-painted aluminium, most of the metals, polystyrene, stone, polyester, concrete, etc.)
However, due to the large variety of substrates and installation conditions, it is necessary to make tests beforehand on difficult materials (particularly on non-ferrous or lacquered metals and plastic substrates like PVC, PMMA or ABS) to determine whether abrasion or the use of a primer may be necessary to improve adhesion.
For further information, contact our technical department.
Not suitable for substrates like PE, PP, Teflon, wallpaper-glass cloth.
Avoid any contact with oils, plasticizers or products like bitumen, asphalt, silicone, etc.

TECHNICAL DATA

Appearance	Thixotropic paste
Color	White
Density at 20°C	1.56 ± 0.02
Sagging (ISO 7390)	0 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	> 2 mm after 24h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 60 after 14 days
Modulus at break (ISO 37)	> 2.5 MPa
Elongation at break (ISO 37)	> 200 %
Tear strength (ISO 34)	> 9 N/mm
Temperature resistance	-40 to +100°C (on cured sealant)

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UV resistance	Good
Water resistance	Good
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

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.
If necessary, apply a primer - contact our technical department if needed.
Note: when using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer.

Caulking:
EMFIMASTIC HIGH POWER can be applied by a manual, pneumatic or electrical gun with a triangular nozzle (supplied with the cartridge), in ropes spaced out from 5 to 10 cm, depending on the substrates.
It is possible to apply heavy materials vertically without any mechanical holding.
However, for heavier elements, a mechanical holding before curing is required.

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

Approximately 6 linear meters per cartridge with the supplied triangular nozzle.

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.
Not frost sensitive (-5°C).

PACKAGING

290 ml cartridges.
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.