



Product code : MC029B

EMFIMASTIC MS CRISTAL+

DESCRIPTION

EMFIMASTIC MS CRISTAL+ is a one-part transparent sealant based on MS polymer, which cures under the effect of moisture to form a durable and flexible joint.

This sealant can be applied to wet surfaces and presents good resistance to ageing, weathering, water and UVs.

EMFIMASTIC MS CRISTAL+ has CE marking for following application: sealant for facade elements for interior applications according to European Standard EN 15651-1 (F INT).

AREAS OF APPLICATIONS

EMFIMASTIC MS CRISTAL+ is ideal for indoor jointing and cracks sealing requiring completely transparent applications.

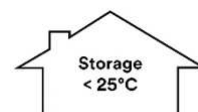
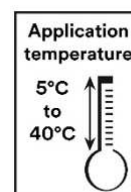
It allows also flexible bondings of materials that can be submitted to vibrations or deformations, in- and outdoor, in building (decoration, DIY) or general industry areas (joints between prefabricated elements, flow pipes, trucks and caravans' elements, etc.).

Clear and odorless, it allows primerless adhesions on most substrates like concrete, brick, facing brick, wood, natural and artificial stones, ceramic, glass, baseboards, panels, battens, carpentry elements (wood, aluminum, PVC), metals (like aluminium, iron, zinc, stainless steel) and most lacquered metals.

However, due to the large variety of substrates (particularly those not specified in this data sheet), suppliers and installation conditions, it is necessary to make tests beforehand on difficult materials (particularly on non-ferrous 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 light oils, plasticizers or other products like bitumen, asphalt, silicone, etc. before and during the curing.



TECHNICAL DATA

Appearance	Thixotropic paste
Color	Colorless, transparent
Density at 20°C	Approx. 1.04
Application temperature	5 to 40°C
Skin formation time at 20°C and 50 % RH	10 to 15 min *
Cure time at 23°C and 50 % RH	Approx. 2.5 mm after 24h

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Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 40 after 14 days
Modulus at 100 % (ISO 37)	Approx. 0.65 MPa
Modulus at break (ISO 37)	Approx. 1.5 MPa
Elongation at break (ISO 37)	Approx. 300 %
Temperature resistance	-40 to +90°C (on cured sealant)
Coloring resistance	Good
Water resistance	Good (not suitable for continuous water immersion)
Weathering resistance	Good
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

* 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, 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 CRISTAL+ can be applied by a manual or pneumatic gun.

For jointing, use a putty knife to smooth the joint with soapy water.

EMFIMASTIC MS CRISTAL+ can be painted: it is however recommended to wait until the skin is formed (approximately 10 to 15 minutes) prior to painting. The sealant can also be sanded, painted and / or varnished after curing. We recommend making tests beforehand.

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.

Avoid any contact with non-cured polyurethanes during curing.

Do not apply on frozen surfaces.

Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

CONSUMPTION

290 ml cartridge:

Diameter of the cannula (mm)	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

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

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.