



Product code : 75035BE008

EMFIMASTIC SP MIROIRS

DESCRIPTION

EMFIMASTIC SP MIROIRS 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 SP MIROIRS was specially developed for bonding any type of silvered mirrors (mineral or organic), without attacking the silvering.

EMFIMASTIC SP MIROIRS enables to compensate the substrate's irregularities until approximately 5mm.

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, mirrors (in particular those not specified in this data sheet) 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.

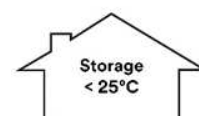
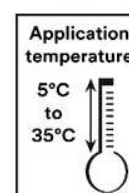
Not suitable for substrates like PE, PP, Teflon, wallpaper-glass cloth.

Not suitable for mirrors with shatter-proof films.

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)
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

Mirror preparation:

Make sure the mirror to bond is in a good state (clean, healthy and without any dust or grease).

Degrease the side to bond with acetone or isopropyl alcohol, to avoid possible traces of grease or silicone (avoid "fatty" solvents like White Spirit which could lead to poor adhesion and therefore to a defective bonding).

Substrates 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.

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.

Bonding:

EMFIMASTIC SP MIROIRS can be applied by a manual, pneumatic or electrical gun with a triangular nozzle (supplied with the cartridge) on the mirror, in vertical ropes spaced out from 5 to 10 cm, depending on the substrates and the size of the mirror to bond.

Press strongly for a few seconds (minimum 10 seconds, depending on the size and weight of the mirror to bond) in order to ensure a good transfer between the substrate, EMFIMASTIC SP MIROIRS and the mirror.

It is possible to bond mirrors up to 0.25m² and approximately 3kg without any mechanical holding.

However, for heavier elements, a mechanical holding before curing is required. In this case, use a double-sided tape like 3M 4008.

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.

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