



MORCEM® ELASTIC PM TRANSPARENTE

DESCRIPTION

MORCEM ELASTIC PM TRANSPARENTE, is a transparent and aliphatic polyurethane resin that, once cured, creates a continuous, elastic membrane, without joints or overlaps, totally watertight and waterproof. It can be applied by brush or roller.

ADVANTAGES AND USES

- MORCEM ELASTIC PM TRANSPARENTE is a 100% waterproof membrane, highly elastic and resistant to wear, which once created offers great stability and durability.
- It is completely aliphatic and transparent.
- MORCEM ELASTIC PM TRANSPARENTE resists against micro-organisms contact.
- MORCEM ELASTIC PM TRANSPARENTE is suitable for substrates such as tiles, natural stone and wood. In case of using the product in any other substrate please contact GRUPO PUMA's technical service.
- As it is a liquid material, it adapts to any form of cover, forming a continuous coating without joints or overlaps.
- Great resistance to the passage of time while maintaining its transparency.
- Not recommended for waterproofing swimming pools, lakes or any other total immersion in water.
- Do not clean with bleach or any other highly corrosive product once the membrane is created.
- High resistance to open sky and U.V. rays.
- Excellent mechanical properties, high resistance to abrasion, tension and breakage.
- Do not apply MORCEM ELASTIC PM TRANSPARENTE on substrates with a higher temperature to +35°C
- Do not apply it under the presence of water or humidity on the substrate.
- Do not apply under conditions of water coming from the interior of the substrate, either at the time of application or afterwards (water pressure per water-table level, humidity retained in the substrate...)
- In case of existing humidity in the substrate at the time of application, consult the technical data sheets of our primers where the maximum humidity ranges are specified.

Suitable for this type of situation:

- Waterproofing of roofs, pedestrian terraces.
- Waterproofing of balconies, cornices or windowsills.

NOTE: In case of applying the product on a different substrate or situation, please consult our technical department.

APPLICATION PROCEDURE

The following features must be taken into account before applying the product:

- The substrate must be smooth, clean and dry, without any humidity and solid enough.
- Cleaning of the substrate removing dust, dirt, grease or dangerous efflorescence.
- The substrate must be firm and dry. There should be no humidity retained inside or moisture due to capillary action in the back.
- It may also be applied using a roll, a brush or an airless gun.

CONCRETE REPAIR

MORCEM® ELASTIC PM TRANSPARENTE

PACKAGING AND STORAGE

20 kg and 5 kg metal containers.

12 months at a temperature of 5°C to 35°C, always located in dry places. Once the container is already opened, the product must be immediately used.

TECHNICAL DATA

Specific weight at 23°C ISO 1675	1.00 g/cm ³
Viscosity at 23°C ISO 2555	± 1060 cps
VOC (Volatile Organic Components)	400 g/l
Flash point	> 42°C
Elongation at 23°C ISO 527-3	> 200%
Tensile strength at 23°C ISO 527-3	> 20 MPa
Tear resistance ISO 34-1	85 N/mm
Surface hardness Shore A DIN 53505	85
Initial drying at 23°C	± 6 hours
Overcoating range at 23°C	6-24 hours
Dry extract ISO 1768	± 80%
Adhesion to concrete	> 2 MPa
Operating temperature	-20 - 80°C
Application temperature range	5-35°C
Contact with potassium hydroxide 8% (10 days at 50°C)	No significant changes in elastomeric properties
Contact with sodium hypochlorite (5% 10 days)	No significant changes in elastomeric properties
Thermal stability (100 days at 80°C)	Complies
QUV Weather resistance test (4hr UV at 60°C (UVB lamp) & 4 hr at 50°C)	Complies (3000 h)
Recommended consumption	0.800 to 1 Kg/m ² depending on roughness and application. NOTE CONSUMPTION: Application in two coats. From 400 to 500 g/m ² per coat.
Application Method	brush, roller
Dilution	5% Desmosolvent por Xileno ("airless" application)

Values in this table are approximate and may vary according to the situation of the substrate or application methodology used.

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMA's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the

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tests obtained under different conditions, all in accordance with the relevant regulation.