

Product

ELASTOMUR

code 4685 RAL

ELASTIC COATING BASED ON MESH-FORMING METACRYLIC COPOLYMERS IN AQUEOUS DISPERSION

Features

- Excellent resistance to atmospheric agents and industrial and marine atmospheres.
- Very high elasticity.
- Low dirt retention and low water absorption.
- Appearance from smooth to slightly dimpled.
- High resistance to attack from moulds and micro-organisms.
- Washable and can be sanitised.
- High breathing capacity.
- Anti-carbonate properties.
- Can be applied to the support from + 10°C to +40°C.
- Operating temperature from -35°C to +90°C.

Application field

Protection and elastic waterproofing of concrete and plasterwork exposed to the atmosphere:

- Traditional or prefabricated civil and industrial buildings.
- Bridges, viaducts, ducts.
- Concrete structures of various types.
- Outsides of pipelines, tanks, wells, cooling towers, etc.

Application

Single component product to be homogenised at the time of use and applied by roller or spray, diluted with 2-10% maximum of water.

ELASTOMUR is applied in two coats to concrete and clean, dry plasterwork in good conditions, and should be brought up to volume as required. It is always necessary to first apply a coat of PRIMER 0120.

PRIMER 0120 is a single component product that has to be diluted 1:1 with water in proportions of 100-150 g/m² of mixture, with application after a minimum period of 30 minutes.

ELASTOMUR is particularly suitable for ecological protection and waterproofing cycles in water. Its high elasticity makes it able to support the presence of underlying micro-defects and defects, giving an opaque finish as required in the building sector.

A typical cycle is as follows:

- PRIMER 0120 diluted 1:1, 100-150 g/m² of mixture.
- Spatula plastering of visible micro-defects with ELASTOSTAR COPERTURA MONO or sealing of the larger defects with STARMASTIC P 94
- ELASTOSTAR COPERTURA MONO, 800 g/m² per coat.
- ELASTOMUR, 250-400 g/m².

Wash tools thoroughly with water after use.

Technical data

Color	RAL colors
Specific weight UNI EN ISO 2811-1	1.38 ± 0.04 Kg/l
Viscosity at 20°C UNI EN ISO 2555	10,000 ± 2,000 mPa.s (Vel.10 -Gir. 4)
Theoretical consumption	250-400g/m ² per coat
Thickness	100-160 microns per coat
Solids	70% in weight, 58% in volume
Hardening at 22°C, 50% RH	- dry to the touch 60 minutes - insensitive to rain 3 hours - over-application 2 hours minimum - completely hardened 10 days
Breakage lengthening UNI EN 12311-2	300% ± 50
Resistance to water vapour distribution as per UNI EN 1931	< 2,000
Thickness of air-equivalent (Sd)	< 0.2 m every 100 microns
Resistance to Carbon dioxide Distribution, ASTM D 1434	> 1,000,000
Equivalent air thickness (sd)	> 100 m every 100 microns
Storage	If kept in the original sealed packs in a dry, protected place at temperatures of +5°C to +35°C, the product will keep for 6 months. Avoid frost.

*1000 micron membrane dried for 20 days at 22°C, 50% RH, plus 48 hours at 45°C

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM (substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers the quality and productions standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.