

MONOSTOP VAPOR ELASTIC

Excellent quality, acrylic, insulating and breathable elastomeric paint.



11.2022 V.03

Excellent quality elastomeric, acrylic paint, waterproofing of old or new exterior surfaces of concrete and plaster. It innovates because it shows high breathability values, but without falling short of elasticity and resistance to wet weather conditions. This property allows the film to emit larger amounts of moisture in the form of vapors than ordinary elastomerics and thus avoids the known phenomenon of film swelling with simultaneous water retention inside. It forms an elastic and waterproof membrane that covers all capillary cracks, while maintaining its elasticity even at low temperatures, protecting the plaster from cracks caused by frost. It has excellent resistance to ultraviolet radiation, which does not affect the whiteness and elasticity of the product, shows excellent resistance to stains of snail trail effect after rains or in wet environments and has increased resistance to the appearance of efflorescence effect. It has low permeability to CO₂, protecting this way the concrete reinforcement. Finally, it demonstrates very high values of solar reflection, contributing to energy savings and maintaining lower temperatures inside buildings during the summer months.



Product Characteristics

- CE marking
- Acrylic and insulating paint.
- High breathability (very low water absorption and high-water vapor diffusion EN 7783, EN 1062).
- High resistance to the appearance of lines and stains after rain or in wet environments-snail trail (ASTM 7190-05)
- Resistance to the appearance of salts (efflorescence).
- Low CO₂ permeability – concrete reinforcement protection.
- Excellent adhesion and elasticity.
- Excellent resistance to frost, humidity, and weather condition changes.
- Excellent resistance to UV radiation (500 hrs-ISO 11507-2007)
- Excellent opacity.
- High coverage and whiteness. Cool paint properties (for the White)
- Easy to apply.
- Resistance to chalking (ASTM D 4214-98).
- High resistance to alkalis (ASTM D C1308-02, ASTM D 714-02).
- Prevents the growth of mold on the dried paint

Stir well before use

Coverage:
8-11 m²/lt

Drying time:
Between 1 to 3 hrs

Thinning
with water at a percentage of 10-15% by volume

Paint:
Roller

Paint:
Brush

Paint:
Airless gun

Packaging:

White
0.75lt
3lt
10lt

Bases
0.75lt
3lt
9lt



Shades

Available in White, Base A, Base B and Base C for the achievement of thousands of shades, using Berling's tinting system. By choosing shades from Berling's Exterior colourcard, you ensure that are not affected by solar radiation.

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

Technical Specifications



V.O.C	35gr/lit (Maximum Volatile Organic Compounds content ready for use).
Density	1,45 ± 0,02gr /cm ³ (ISO 2811) (for white).
Viscosity	125-130 K.U., 25°C (ASTM D562) (for white).
pH	8,5-9
Performance	8-11 m ² /lit, per coat.
Gloss	<3,5 units at an angle 60°.
Thinning	Thin with water at a percentage of 10-15% by volume, depending on the application method.
Application	The product is applied by brush or roller or airless gun.
Drying	Touch dry 1-3hrs, depending on the weather conditions. (The drying time might be elongated according to temperature and humidity conditions)
Recoating	Repaint after 24 hrs, depending on weather conditions. (The drying time might be elongated according to temperature and humidity conditions)
Solar Reflection	89% (ASTM G 173-03)
Permeability to water vapor	Class I (EN 7783-1, EN 7783-2)
Water permeability	< 0.1 Kg/m ² . h ^{0.5} (EN 1062-3)
Permeability to CO₂	S _D > 50m (EN 1062-6)
Crack bridging ability	A4 (>1,25 mm)
Adhesion	>0,8 N/mm ² (EN 1542-2001)
Thermal cycling without de-icing salt impact EN 13687-3:2002	no bubbles, cracks, and delamination Pull-off-test >0,8 N/mm ²

ACCORDING TO 2004/42/EK

PHASE II, PHASE II, Subcategory c, Exterior walls and mineral substrate, Value limit V.O.C.= 40gr/lit, max VOC.=35gr/lit (ready to use product).



Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.

For further information ask for the Safety Data Sheet of the product.

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

Recommended application systems



Exterior surfaces

• New surfaces

Preparation

The surfaces to be painted should be dry and clean of any dust, grease, salt and old peeled paints. Any holes, cracks or unevenness of the wall should be puttied with Acrylic Putty or Berling Stucco Grid, following their application instructions.

STUCO GRID
2 coats

Primer

Prime with primer suitable for exterior use (such as Super Primer, Nature Aquafix or Berling Nanoprimer), following their application instructions.

**BERLING NANOPRIMER or
SUPER PRIMER or
NATURE AQUAFIX**
1 coat

Final coating

For a uniform and impressive result apply 2 coatings with Monostop Vapor Elastic.

**MONOSTOP VAPOR
ELASTIC**
2 coats

• Old- already painted surfaces

Preparation

On already painted but healthy, non-stained surfaces, no special preparation is required. In the case of puttied surfaces, sanding with sandpaper is required.

Primer

In case of already painted but healthy and stable surfaces, no priming is needed.

In case of loose substrates, after preparing them as mentioned above, prime with a primer suitable for exterior use (such as Fixateur, Super Primer, Nature Aquafix).

For chalked surfaces use primer Fixateur or Nature Aquafix to stabilize them, before applying Monostop Vapor Elastic.

**BERLING NANOPRIMER or
FIXATEUR or
NATURE AQUAFIX**
1 coat

Final coating

For a uniform and impressive result apply 2 coatings with Monostop Vapor Elastic.

**MONOSTOP VAPOR
ELASTIC**
2 coats

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.