

0638 ELASTOWALL

ELASTOMER ANTI-CRACKING AND ANTI-CARBONATION PAINT, FILM WITH BROAD-SPECTRUM PROTECTION AGAINST GROWTH OF ALGAE AND MOULD SPECIES



Building



Exterior



Water based



Brush



Roller



Airless



Protect from frost



Description and Use

ELASTO WALL is a semi-matt elastomeric paint with high flexibility, formulated with special synthetic resins that allow the film to follow the substrate movements without cracking, preventing infiltration of water or carbon dioxide. It is suitable for applications on surfaces subject to cracking caused by vibrations, setting or movement due to changes in temperature. (EN 1504-2 standard, type 4 conformity certification system for low performance uses and requirements)
The product can be coloured using ADVANCE HT tinting system.

Substrate preparation

MASONRY SURFACES:

The substrate must be cured, not chalking and clean (without grease, oil or other polluting agents).

For degraded surfaces, remove all traces of old peeling paint and any efflorescence.

If mould or algae are present, treat the substrate with DECISO code 0610 and wash the surface.

On plaster, level any unevenness with a suitable skim coat and allow the treated areas to cure.

On new, powdery or highly absorbing plaster, on fillings or old flaking paints apply one layer of masonry fixative solvent-based CLIM-O-PAINT PRO code 1004, otherwise the water-reducible type SUPERFIX code 0010 or GREY FIX code 0011, in order to make uniform the substrate absorption.

Where the surfaces features cracks, fissures or crackles, use the fixative CLIM-O-PAINT PRO code 1004 or else SUPERFIX code 0010 or GREY FIX code 0011, fill and then apply one or two coats of RUBBER ONE code 0612.

CONCRETE SURFACES:

The concrete must be sound, fully set and dry.

Clean off any dismantling oil residue, flaking material and dirt.

If mould or algae are present, treat the substrate with DECISO code 0610.

Remove all loose parts until you get to the rods.

Buff thoroughly or sand the reinforcing bars to bare metal; get rid of rust and dust.

Treat the rods with a passivating grout; spread a fiber-reinforced mortar suitable for high thickness restoring, and next even out with a suitable skim coat; allow any patching to cure before treating with the fixative-insulating agent CLIM-O-PAINT PRO code 1004.

Make sure the surface is dried, then continue applying two coats of ELASTO WALL.

Application

Application method:

- brush
- roller
- airless spraying: we recommend the use of piston or diaphragm pumps with high pressure electric or gasoline engines (200-250 bar). Choose nozzle and spraying angle depending on the structures to be treated: the angle should not be lower than 17 (0.017 inches = 0.43 mm) and not higher than 23 (0.023 inches = 0.58 mm) and the nozzle must be self-cleaning. The spraying angle of the nozzle is very important in order to optimize the spraying.

Product preparation:

Mix to achieve even colour and consistency.

Dilution:

5-10% water, by weight-

5-10% water, by volume-

When using Base ED, dilution should be reduced by 50%.

Recoating:

Wait 8-10 hours between the two coats.

Storage life

PROTECT FROM FROST. Store the packaged product at a temperature between +5°C and +35°C.

If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 24 months. Check the product's shelf life by referring to the production lot shown on the packaging. The lot number comprises of eight numeric characters in which the first four digits identify the year and month of production. Once the product has expired, it must be disposed of in accordance with current legislation.

Technical features

| | |
|---|--|
| Color | see price list |
| Specific weight | 1.38 kg/l (± 0.03) |
| Viscosity | 12000 - 15000 mPa.s Brookfield RVT rpm 20 s 5 |
| Air drying (20°C) | 2 hours, dry to touch |
| | 8 hours, through drying |
| Resistance to washing | excellent (UNI 10795) > 20000 Gardner cycles (UNI 10560) |
| Carbon dioxide permeability | Sd > 50(m) UNI EN 1062-6 |
| Crack-bridging | classe A2 (23°C); A1 (-10°C) EN 1062-7 |
| Water vapour transmission rate | class I (EN ISO 7783) |
| Capillary absorption and water permeability | W < 0.1 Kg/m ² *h ^{1/2} (EN 1062-3) |
| Direct tensile adhesion strength | ≥ 0,8 N/mm ² (EN 1542) |
| Reaction to fire | Euroclass E (EN 13501-1) |
| Practical cover rate * | 3.5-4 m ² /l per two coats |
| EU limit value of VOC content (Directive 2004/42/EC) | Cat. A/c, WB: max VOC 40 g/l product VOC < 40 g/l |
| * The yield may vary according to the roughness and absorption of the substrate and in relation to the application system used. | |
| The data are measured at a temperature of 20°C. | |

Warnings

- Product recommended for expert users.
- Dispose of contents / container in accordance with national regulations.
- Always read the safety datasheet before use.
- Surface and ambient temperature must be above + 5 (41°F) and below 35°C (95°F).
- Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap.
- Acquire all the material required to finish the work of the same batch.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market and the tinting of the product can lead to slight deviations in the declared values, in the colour and in the aesthetic effects obtained. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

Do not apply in foggy or rainy weather, or when the relative humidity exceeds 75%.

Exterior applications need to be protected from rain for at least 48 hours, and in any case until complete drying.

The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE at assistenza.technica@impa.it.