DRIZORO Construction Products

MAXELASTIC®

WATERPROOF, ELASTIC, SINGLE COMPONENT COATING FOR ALL TYPES OF ROOFS

DESCRIPTION

MAXELASTIC is an elastic acrylic coating, specially formulated for all types of roofs,. It is supplied in the form of a water-basedsingle component thixotropic paste, ready to use. Once polymerised it is transformed into an UV-rays resistant and non-degradable elastomer, providing a 100% waterproof coating.

APPLICATIONS FIELDS

- Waterproofing of all types of roofs and terraces.
- Waterproofing, protecting and filling in facades, partition walls, jardinières, joints between chimneys and tiles.
- Elastomeric protection against carbonation of concrete roofdecks.
- Treatment and waterproofing of joints in facades and roofs.
- Protection of polyurethane foam insulation from exposure to UV rays.
- Waterproofing, protection and repair on tiles, metal coatings and fibre-cement.

ADVANTAGES

- Excellent carbon dioxide diffusion barrier for concrete. Very high resistant to penetration of carbon dioxide, prevents the corrosion of rebars caused by carbonation.
- Good adhesion on substrates such as concrete, mortars, bricks, tiles, metal surfaces, etc
- Easy to apply , does not require skilled applicators.
- Withstands weathering and UVrays. Excellent colour retention.
- Excellent elasticity, it provides a continuous coating which does not need joints, filling ans sealing all pores and cracks.
- Maintains flexibility in a wide temperature range, expands and contracts along with the substrate to which it is applied
- Different colours, decorative finish.
- Non-toxic and non-flammable, solvent-free. Environmentally friendly

APPLICATION INSTRUCTIONS

Surface preparation The surface to be coated must be sound, dry and clean, free from dirt, remains of paints, gypsum, efflorescence, greases, oils, as well as de-moulding agents, curing agents or any product which could affect the adhesion. Remove any loose particles or unsound elements.All surface damages such as defects, cavities, honeycombs, peelings should be filled with a repair mortar. Remove all concrete around structural reinforcement affected by corrosion. These reinforcements should be cleaned of rust and scale and then, coated with ***MAXREST PASSIVE*** oxide converter and anti-corrosive protection (Technical Bulletin n° 12). In order to fill the area, use a structural repair mortar such as ***MAXREST*** (Technical Bulletin nº 04)

Application
MAXELASTIC is supplied ready to use. Previous to application, stir the content of the packaging in order to get a homogeneous paste and colour uniformity. ***MAXELASTIC*** can be applied by brush, roller or airless spray. In that last case, dilute with the minimum amount of waterwhich allows applying the product.

Waterproofing. Apply a first layer of ***MAXELASTIC*** with an approximate consumption from 1,0 to 1,5 kg/m^2 per layer. Allow at least to dry for 5 and 18 hours, depending on environmental conditions and then, apply the second layer in perpendicular direction to first one until the required thickness is achieved. On porous surfaces, thr first layer of ***MAXELASTIC*** diluted with 20-30% of water is recommended.

- ***Expansion joints****.* Once the joint is opened up and clean, apply a thin layer of ***MAXELASTIC*** and then, a strip of 6 – 8 cm wide glass fibre(of at least 50 g/m^2) will be spread on the fresh coating ensuring to keep fibre completely embedded.. Once it dries, apply the second layer with 0,6 kg/m^2 of ***MAXELASTIC***. Both the elasticity of the product and the mesh will allow the joint to move without cracking the waterproof coating.*Cracks.* Once crack is opened up and clean , fill it with ***MAXELASTIC STONE*** or a mixture of one part of ***MAXELASTIC*** and one part of fine silica sand (ratio1:1). Finallyseal the area following the same procedure as used for expansion joints.

- *Terraces and roof with frequent pedestrian traffic***.** Once the surface is prepared, apply a first layer of ***MAXELASTIC*** with a consumption of 1,5 kg/m^2 and then, cover it with a glass fibre of at least 50 g/m^2. Allow to dry and apply the second layer of ***MAXELASTIC*** for making the waterproof membrane. Finally, once the last layer is dry, apply a thick top layer of MAXELASTIC STONE (Technical Bulletin nº 43) with a thickness about 2 – 3 mm as protective layer resistant to abrasion.

Application conditions. Do not apply ***MAXELASTIC*** below 5 ºC or when such temperatures are expected to drop below 5°C within 24 hours after the application. Do not apply the coating on frozen or frosted surfaces.
Do not apply if rain is expected to fall within the first 24 hours after application.

Cleaning

All tools and equipments must be cleaned immediately after use .Once MAXELASTIC dries, can only be removed by mechanical means.

CONSUMPTION

For waterproofing terraces and roofs, ***MAXELASTIC*** is applied in two layers with an approximate consumption from 2,0 to 3,0 kg/m^2, which corresponds with 1,0-1,5 kg/m^2 per layer respectively. An application of 1,5 kg/m^2 provides an approximate film thickness of 1,0 mm. For facades or vertical walls, a coating with at least 0,7 kg/m^2 approximately should be applied.

This consumption vary depending on porosity and substrate conditions. A pre-liminary test on-site is recommended to determine consumption exactly.

PACKAGING

MAXELASTIC is supplied in 25 and 5 kg drums. It is available in white, grey, green, red and black colour. Other special colours are manufactured by request.

STORAGE

Twelve months in its original unopened packaging. It must be stored in a dry and covered place, protected from frost and direct exposure of sunlight, with temperatures above 5 ºC.

SAFETY AND HEALTH

MAXELASTIC is non-toxic, but skin and eye contact must be avoided. Safety goggles and protective gloves should be used during application. In case of skin contact, wash affected areas with soap and water. In case of eye contact rinse thoroughly with clean water but do not rub. If irritation continues, seek medical attention.
Safety Data Sheet for ***MAXELASTIC*** is available by request.
The final user must do disposal of the product and its empty containers according to official regulations.

TECHNICAL DATA

Appearance	Single component homogeneous paste
Solid content (%)	54,4 approx.
Density (kg/l)	1,23 approx.
Viscosity (cps)	32.000 approx.
Application conditions, T (°C)/R.H. (%)	>5 / <90
Approximate consumption per layer*/total application (kg/m^2)	1,0-1,5/2,0-3,0
Elongation at break, UNE 53.165 (%)	315
Tensile strength, ISO 37/1994 (MPa)	2,45
Shore A hardness	35

*Consumption will depend on porosity and substrate conditions.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. DRIZORO reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product.

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