

TECHNICAL DATA SHEET

ISOLATE

PROJECTED NATURAL CORK

DESCRIPTION:

Waterproof, thermal and acoustic isolation membrane based on styrene-acrylic resins in aqueous emulsion, natural cork and other additives. It is specially formulated to reduce the passage of heat into the indoor of the treated area. Thermal breaking thus saving energy. It is used for waterproofing facades and roofs. Its mechanical properties and water resistance reduce the formation of cracks, compared with other market products it stands out for its elasticity, high resistance to atmosphere agents and good adhesion to supports like as concrete, cement, plaster, brick and moist supports. Thanks to thermal isolation, extreme expansion and contraction are avoided, thus providing thermal protection for the structure of the elements of construction.

PROPERTIES:

Elastic, breathable waterproof, sound isolating, shock damping, masking defects on supports, it avoids condensations. Applying indoor it avoids the migrations of the comfort temperature to the structure, thus saving energy.

It is a water product; it is not toxic, flammable or dangerous. It is easy to apply.

Thermal conductivity of the active ingredient – $\lambda = 0,038 \text{ Kcal/h}^\circ\text{Cm}$.

Free of volatile organic compounds, according to regulation.

TECHNICAL DATES:

Concept	Result
* Dry to the touch	4 - 5 hours.
* Re-paint	Minimum 12 hours.
* Total polymerization	7 days.
* Saponification resistance	Excellent
* Adherence	Multiadhesion, controlling the porosity and moisture of the support
* Finish	Semi-gloss
* Recommended thickness	2000 μm
* Particle thermal conductivity.	0,038 (W/m.K)
* Product thermal conductivity.	0,086 (W/m.K) CERTIFIED
* Density	0,83 Aprox.
* Performance depends on requirements.	2 Kg/m ² .

APPLICATIONS:

Painted supports need to have without dust, grease, lime. Stir until you get perfect homogenization of the product. Add water (300-600g per 15L (12Kg approx.) to get the desired flow rate. Apply it by spray.

- New surfaces of concrete and cement:
 - Apply the first layer of primer (UNIVERSAL PRIMER) diluted 4 parts of water 1 part of product.
 - Let dry for 4 or 5 hours.
 - Apply the first lightweight layer of ISOLATE, this is used like a grip and after that apply a second layer until you reach the thickness 2-3 mm.
 - At the end, it is possible apply a layer of WATERPROOF TR, to get better waterproofing and resistance.
- Old surfaces:
 - The surface need to be clean before the product was being applied, eliminating all traces of paint.
 - Repairing the defective areas and peeling.

- The product is applied in the same way as in new surfaces.
- Terrace with background of concrete or cement:
 - Brick joints and dilatation need to be clean with water and fungicide, mildew can be removed with a metallic brush.
 - It should be rinsed with water and let dry 3 or 4 days.
 - The product is applied in the same way as in new surfaces
- We need special attention in disperse surfaces:
 - Surfaces need a good consolidation
 - Generally it will be enough applying UNIVERSAL PRIMER only. Dilution of this product can be vary depends on the surface, look up it with our technical department.

RECOMMENDATIONS:

Protect the product from frost. Do not apply at temperatures below 5°C, nor in hot days (above 35°C) or in the presence of hot west winds.

Measures to be taken in the even of presence of:

- Efflorescence, Saltpetre:
 - It needs to wash with specific cleaner. Rinse it with water and let dry.
 - Applied one or two hands of STOP SALTPETER is recommended, it is a specific blocker fixative of salts. No carbonation effect.
- Old, dirty and disperse surfaces:
 - Apply our primer (UNIVERSAL PRIMER) diluted 4 parts of water 1 part of primer.
- Dump, vapour spots:
 - It needs to wash with water and detergent. Apply a sealer top spots primer anti-dump.
- Surface with fungi: Primer with fungicide.

STORAGE:

Correct storage in it original container at temperatures between 5 y 40 °C. No storage more than twelve months.

SAFETY INFORMATION:

Check its Safety Data Sheet.

DILUTION:

READY TO USE. Not need dilution.

CONTAINERS:

Container: 12 Kg.

LEGAL NOTES:

This information is based on our current knowledge and provides details about our products and their applications possibilities. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Gardenia Química reserves the right to change the properties of its products. Users must always refer to the most recent issue of the Product Data Sheet for the products concerned.