

TECHNICAL DATA SHEET

ISOLATE TECH: 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 through 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 products in the market. It stands out for its elasticity, high resistance to atmosphere agents and good adhesion to such supports as concrete, cement, plaster, brick, etc. Thanks to thermal isolation, extreme expansion and contraction are avoided, thus providing thermal protection for the structure of constructive elements.

ISOLATE TECH is formulated specifically to be coloured with our **INKERCORK**. It may also be coloured with a tint metric system. *Since Cork is a natural product, small colour variations can normally occur, this being inherent to the product.*

TECHNICAL DATA

Concept	Result
* Dry to 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
* Recommended thickness	3 mm
* Particle thermal conductivity (natural cork)	0,034 (W/m.K)
* Water vapour permeable	Class I
* Waterproof liquid water	Class III
* Density	0.84 g/cm ³ approx.
* Performance depending on requirements	2 Kg/m ² .

PROPERTIES

- Elastic, breathable, waterproof, sound isolating, shock damping, masks defects on supports, avoids condensations.
- When applied indoors, it avoids migrations of comfort temperature to the structure, thus saving energy.
- It is a water product; it is not toxic, nor flammable and nor dangerous. It is easy to apply.
- Free of volatile organic compounds, according to regulations.

APPLICATIONS

Before applying **ISOLATE TECH**, it must be mixed with the desired color (**INKERCORK**). For this mix, you should stir **INKERCORK** until it is perfectly homogenized and pour it into a 12 Kg container of **ISOLATE TECH**. In order to remove any remaining color, you can add a little quantity of water in the color container once it is empty, shake it and pour it into the **ISOLATE TECH** container. Then, beat it with a stirrer until the color is perfectly homogenized with **ISOLATE TECH**. Once it is colored, the product can be applied.

Painted supports need to be clean from dust, grease, or lime. Stir until you get a perfect homogenization of the product. Add water, 300-600g per 12 Kg container to get the desired flow rate. Apply it by spraying.

- Concrete and cement new surfaces:
 - 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 as a grip- and then apply a second layer until you get a 2-3 mm thickness.
- Old surfaces:
 - The surface must be clean before the product is applied. All color residues must be eliminated.
 - Repair all defective areas and peelings.
 - Prime with **UNIVERSAL PRIMER**.
 - Apply the product in the same way as in new surfaces.
- Terrace with concrete or cement background.
 - Brick and dilatation joints need to be cleaned with water and fungicide, mildew can be removed with a metallic brush.
 - It should be rinsed with water and let dry for 3 or 4 days.
 - Apply the product in the same way as in new surfaces.
- Special care must be taken in disperse surfaces:
 - These surfaces need a good consolidation.
 - Generally, applying **UNIVERSAL PRIMER** should be enough. Dilution of this product may vary depending on the surface. Please, contact our technical department for further information.

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 presence of:

- Efflorescence, Saltpeter:
 - Wash with specific cleaner. Rinse it with water and let dry.
- Old, dirty and disperse surfaces:
 - Apply our primer (**UNIVERSAL PRIMER**) diluted: 4 parts of water / 1 part of primer.
- Dump, vapor spots:
 - Wash with water and detergent. Apply an anti-damp, top spot sealing primer.

STORAGE

Store properly in its original container at temperatures between 5 and 40 °C. Do not store for more than twelve months.

SAFETY INFORMATION

Check safety data sheet

CONTAINERS

Container of 12 Kg.

LEGAL NOTES

This information is based on our current knowledge and provides details about our products and their application 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.

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