

ISOLATION TECHNICAL SHEET PROJECTED CORK



CORK BASE ISOLATION FAMILY

WATER-BASED PROJECTED CORK MEMBRANE



DESCRIPTION

Waterproof thermal and acoustic insulation membrane made of natural cork, based on styrene-acrylic resins in emulsion. It is specially formulated to reduce the passage of heat and cold into the treated area. Creating a thermal barrier with anti-condensation properties. Due to this thermal insulation, extreme expansion and contraction is avoided and extra protection is provided to the structure. It is indicated for the treatment of facades, terraces and interiors. Its mechanical and waterproof properties reduce the risk of crack formation, compared to other products on the market. The Isolation membrane stands out for its great elasticity, resistance to atmospheric agents and excellent adhesion to all types of surfaces such as mortar, concrete, brick, metal, glass...

Due to the nature of its natural cork filler, Isolation provides the treated surfaces with fireproof protection, preventing the spread of fire in the event of a fire.

Applied indoors, it prevents the migration of heating/air conditioning to the outside, increasing energy savings.

Proven effectiveness in covers against hail impacts.

ISOLATION is the commercial name of a family of products with a wide field of application in the industrial and construction sectors. Its use can easily be extended to other fields if one takes into account the wide range of possibilities offered by its qualities, which are difficult to combine in a single product on the market. The main properties of the product are:

- Thermal isolation
- Waterproofing
- Acoustic isolation
- Anti-condensation
- Decor
- Breathable
- Fireproof



APPLICATION IN 2 EASY STEPS

ECOLOGICAL

CERTIFIED SYSTEM

CONTAINER 12 KG



The numerous laboratory tests and work carried out by the company confirm that said insulation represents a true revolution in the field of construction and industry.

ISOLATION is an *ecological product*, which is obtained through a sophisticated manufacturing system, by mixing various components.

These materials, which have a long durability, are subject to a manufacturing process, which not only does not change their characteristics, but also improves some of them.

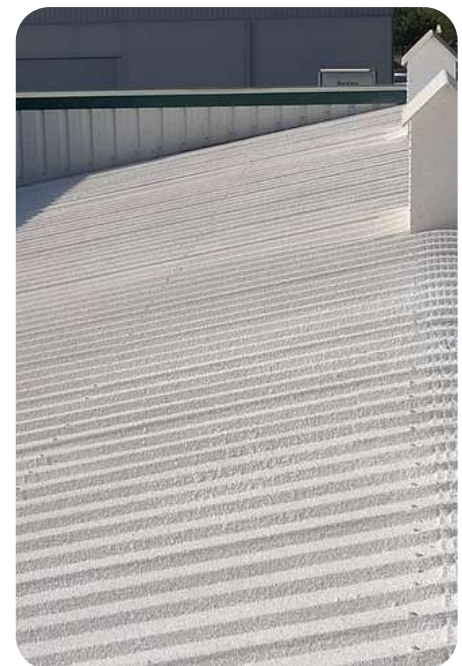
The use of ISOLATION provides: flexibility and mechanical resistance, thermal and acoustic insulating properties, waterproof, fireproof and antifungal, as well as significant savings in labor and construction materials.

ISOLATION has European Certification as a means of encapsulating asbestos, without having to eliminate it.

ISOLATION is a registered trademark that has many uses in the construction and industrial sector.

Cork is a natural product obtained from two types of cork oaks, *Quercus Suber* and *Quercus Occidentalis*. In the structure of its cells, which are spherical, we can find membranes that have internal air vacuoles. The contact between its cells is complete and perfect, without pores or spaces, which gives the cork very special characteristics, of which we can highlight its lightness and elasticity, as well as its thermal and acoustic insulation; and its fireproof properties.

Laboratory tests indicate how its efficiency against temperature remains constant in a range between 35°C and 15°C. That is, no matter how hot or cold it is outside, it never exceeds this working range..





PPROPERTIES

Thermal Particle Conductivity 0.038 (W/m K) Product conductivity 0.046 (W/m·K) CERTIFICATE	Finish Semi gloss	Dry to the touch 4-5 hours	Density 0.83 g/cc approx. Performance 2Kg/m ²
Thermal resistance 0.0484 (m ² ·K)/W	Classification TI ($\lambda \leq 0.10$ W/m K)	Repainted 12 hours	Adherence Multi-stick

PRODUCT LIST

- ISOLATION*: medium grain cork membrane applied by spray.
- ISOLATION PRO*: medium grain cork membrane applied by spray gun.
- ISOLATION DECO*: fine grain cork membrane applied by spray gun.
- ISOLATION FINISH*: fine grain cork membrane applied by roller.

APPLICATION

The surfaces to be painted must be free of dust, grease and lime. Remove content from container until perfectly homogenized and add water (between 300 to 600 grams of water per 15 L container (12 Kg approx.)) according to the desired fluidity. Apply with a spray gun.

New cement and concrete surfaces:

- Apply a first coat of TOP PRIMER diluted with 4 parts of water.
- Let it dry for 4-5 hours.
- Next, apply a first light layer of ISOLATION to serve as a grip and then a second until reaching 2-3 mm thickness.
- Finally, a final coat of PROOF W is possible to achieve greater waterproofing and resistance.

Old surfaces:

- Clean the surface well before applying the product, removing all traces of paint in poor condition.
- Repair defective areas and chips.
- Always prime with TOP PRIMER.
- Then apply the product in the same way as on new surfaces.

On terraces with a concrete or brick bottom:

- Thoroughly clean the brick and expansion joints with water and anti-mold fungicide, with the help of a metal brush to eliminate mold.
- Rinse well with water and let dry for 3 or 4 days.
- Proceed with the application of the product as indicated in the case of new surfaces. Pay special attention to uneven surfaces.
- Consolidate the supports to be treated well.
- Generally, the application of TOP PRIMER will be sufficient. We can vary the dilution of this depending on the support to be treated, consult with our technical department.

RECOMMENDATIONS

Protect the packaged product from frost. Do not apply with temperatures below 5°C, nor on hot days (35°C) or with hot winds.

Measures to take in case of presence of:

Efflorescence, saltpeter:

- Clean with a cleaning product. Rinse with water and let dry.
- It is advisable to apply one or two coats of STOP SALPETER, as a barrier that will slow down the passage of saltpeter.

STORAGE

It must be stored between 5 and 40 °C in its original packaging. Do not store it for more than twelve months.

SAFETY INFORMATION

ISOLATION is non-toxic, flammable, under normal handling conditions. Use is recommended without special safety measures, only legal occupational health regulations.

DILUTION

Add water (300-600g per 15L (12Kg approx.) to achieve the optimal application density