

ECORK[®]
PROJECTED CORK

by ECCINFRA



Sustainable insulation solutions





ABOUT US

Eco Infra is a company with a vision to offer greener, sustainable, eco-friendly, and futuristic building materials for a better and greener tomorrow.

We are a team of professionals with expertise in construction, interior contracting, building materials, and development, bringing more than 20 years of experience and having delivered thousands of projects with our products and services. Our professional team offers significant expertise in our professional deliverables.

Eco Infra is the first organization of its kind, offering only green building, sustainable, and eco-friendly products, which are crucial for architects, interior designers, civil engineers, builders and developers, government agencies, and patrons who are keen on a better future in architecture.

Products and services offered by Eco Infra deliver energy savings, economical solutions, aesthetic values, high heat insulation, acoustics, and high durability. They are made from natural or recycled materials, have a longer life span, and are easy to install and use. They are organic and do not harm Mother Nature or contribute to landfills post-usage.

Our strategic partnerships with global leaders in these segments help us offer the best-in-class products and services with high performance and durability.

As a society and generation, we carry the responsibility to build and hand over a greener planet and vibrant nature to future generations. That mission can be achieved with greener buildings and sustainable infrastructure.

Our products are LEED Certified, Green Building Certified, Organic, VOC-Free, and endorsed by GRIHA and GBIC.

Think Responsibly and Make the Planet Greener.

Properties

PROJECTED NATURAL CORK



Ecological



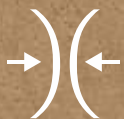
Breathable



Waterproof



Stable



Adherent



Continuous



Low thermal
conductivity



Elastic



Fireproof



Antioxidant



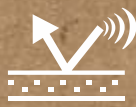
Antibacterial



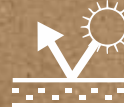
Saltpeter-
resistant



Rot-proof



Acoustic
insulation



Thermal
insulator



Durable
and resistant



Anti-humidity



Decorative



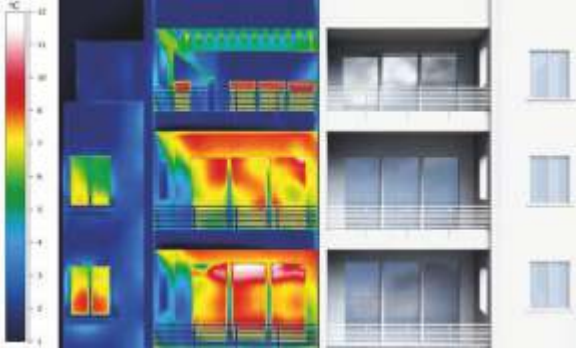
Sealant



Asbestos
encapsulation

WHAT IS ECORK

Projected natural cork



Ecork is characterized, above all, by its high thermal resistance. It acts as a barrier to the passage of heat between two media that would naturally tend to equalize in temperature.

*Example of thermal conductivities from the highest to the lowest in $W/(K \cdot m)$:

Aluminium = 237 - Wood = 0.13 - Ecork = 0.075

Thermal insulation is one of its main properties, but it is not the only one. Ecork is a coating in great demand due to its many advantages.

CHARACTERISTICS AND ADVANTAGES OF ECORK



REGULATES THE TEMPERATURE OF THE HOUSE

By applying Ecork, heat and cold losses inside a home are reduced. Our sprayed cork saves up to 40% in household energy, as less energy will be needed to cool or heat the house.



BEST ACOUSTICS

Thanks to its acoustic absorption power, impact, exterior and even airborne noises are reduced.

Sound absorption coefficient according to NP EN ISO 354



ANTI - DAMPNESS

Ecork sprayed cork is permeable to water vapor, which prevents condensation, the culprit of the appearance of humidity and mold.



ANTI CRACKING

Its elasticity allows the absorption of structural stresses, preventing the appearance of micro-cracks.



Multiple and diverse ECORK APPLICATIONS

The different ECORK sprayed cork emulsions have total adhesion on most materials (mortar, metal, wood, PVC, expanded polyethylene, fiber cement...) and are suitable as:



- (A)** Humidity and condensation protection in buildings
- (B)** Anti-condensation of sheet metal roofing (dew point)
- (C)** Protection and sealing of air-conditioning ducts
- (D)** Primer between ceramic and mortar
- (E)** Acoustic absorber / reverberation
- (F)** Facade coating
- (G)** Crack sealing
- (H)** Reduction of thermal bridge in columnar foundation
- (I)** Thermal protection of tanks and silos
- (J)** Cold-heat barrier on industrial metal doors
- (K)** Thermal corrector for camper vehicle preparation
- (L)** Roof rehabilitation
- (M)** M Waterproofing "Fine Version" : For all types of roofs (asphalt fabric, sheet metal, fiber cement, etc.), providing in the same application a thermal correction and decorative finish.
- (N)** Adhesion promoter for slippery floors (wood, sheet metal, ceramic)
- (O)** Thermal corrector in the manufacture of wooden houses or domes
- (P)** Thermal corrector for prefabricated concrete
- (Q)** Thermal corrector in the nautical industry

ECORK PRODUCTS

Ecork Natural Projected Cork come in 10Kg cubes + 1L of tone.

Within our Ecork range you will find 3 different thicknesses: Fine, Classic and Rustic.

ECORK FINE	ECORK CLASSIC	ECORK RUSTIC
Granulometry: 0,2-0,5mm Consumption: 1,6Kg/m ² Packaging: 10Kg + 1L	Granulometry: 0,5-1mm Consumption: 2Kg/m ² Packaging: 10Kg + 1L	Granulometry: 1-2mm Consumption: 2,5Kg/m ² Packaging: 10Kg + 1L

N Colorless
CK - 07



N **Black**
CK - 57



B **Avocado**
CK - 30



N **Cereus**
CK - 55



N **Golden Tan**
CK - 08



N **Brownie**
CK - 27



B **Tagoro**
CK - 50



B **Concreto**
CK - 12



N **Andalucía**
CK - 54



B **Hummus**
CK - 45



B **Marrón Latte**
CK - 35



B **Tom**
CK - 51



B **Ceniza**
CK - 17



N **Magma**
CK - 34



B **Terreta**
CK - 05



B **Peanut**
CK - 14



B **Cloudy**
CK - 16



B **Vintage Blue**
CK - 36



N **Granate Tierra**
CK - 02



B **Cleopatra**
CK - 09



B **Mediterráneo**
CK - 39



B **Rhino**
CK - 13



B **Azure**
CK - 38



N **Texas Red**
CK - 26



B **Vanille**
CK - 15



B **Almendra**
CK - 10



B **Ibiza MAX**
CK - MAX



B **Beige**
CK - 56

OUR RANGE OF COLORS

B White Base **N** Neutral Base

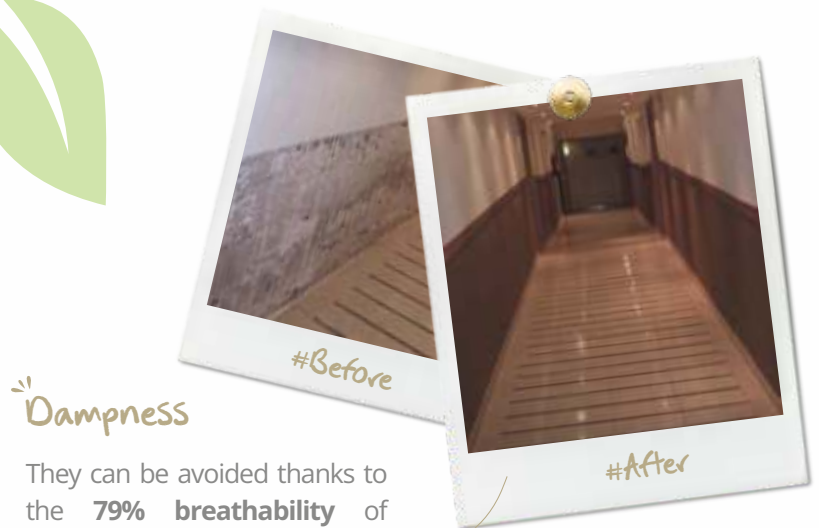


GALLERY ECORK

Have a look at some of our projects



Ecork achieves a 3 to 6mm thick film on the roof, producing a total encapsulation. It avoids costly demolition and construction of a new roof.



They can be avoided thanks to the **79% breathability** of Ecork's, which allow natural evaporation of water and avoids outcrops and humidity odor.

Wagon interior.

Ecork offers a 100% ecological, thermal and acoustic insulation solution.

ECORK TUTORIAL

How we apply sprayed cork

Here we will help you to apply the projected cork in the area you want in 7 easy steps. We also leave you a QR where you will to a short tutorial of ours on YouTube, to clarify any doubts.



Tools

We recommend the using a professional mixer (to obtain the most homogeneous mixture), a compressor and a spray gun with a 5/6 mm diameter nozzle.

1



We protect the areas that we are not going to paint and ourselves.

2



Open the 10 kg ECORK bucket. Shake the tone and pour the contents into the cork bucket.

3



Add a small quantity of water to the toner to remove all traces of pigment and repeat the previous step [add about 500ml more water depending on the temperature of your area].

4



Mix the product well with the help of a professional mixer. Mix it with vertical and circular movements.

Let the mixture rest for 5



5



Pour the mixture into the container of the gun to start spraying the cork.

6



Before starting put the compressor at a pressure of 4-5 bars and place

it at a distance of 40-70cm from the area to be cover.

7



Apply 3 layers with the different movements shown above.

In the last layer we will distance ourselves further from the area.



YouTube



Technical data and tests

CHARACTERISTICS



	REGULATIONS TESTING	RESULTS
Specific gravity	EN-ISO 2811-1: 2016	0,5-0,7 g/cm³
Grain size	EN-ISO 1524 / UNE EN 1062-1	0,5-0,8 mm / S1 Fino
Adhesion resistance by pull-off test	EN-ISO 1524: 2000	≥ 1,9 N/mm²
Thermal conductivity	UNE-EN 12667	0,075 W/m. °C
Resistance to artificial weathering	EN-ISO 16474-1: 2014	No change 3200h
Tensile strength and elongation at break	EN-ISO 527-4	0,36 Mpa
Cross-section	EN-ISO 2409	Gt0
Crack bridging capability	EN 1062-3:2008	A1 (-20°C)
Thermal compatibility (freeze-thaw cycles)	EN 13687-5	≥ 0,8 N/mm² "No bubbles and cracks"
Impact resistance	EN-ISO 6272-1:2012	W<0,1Kg./m2 h0.5
Capillary absorption and water permeability	EN 1062-3:2008	30 minutes At room temperature 20°.
Water vapor permeability	EN ISO 7783-1(-2)	Sd< 5m Class I
Permeability to CO₂	EN 1062-6	Sd > 50m
Hazardous substances	EN 16516:2018	Complies with 5.3
Dry to touch (hours)	UNE 48301 : 1999	4-5
Second coat (hours)	UNE 48301 : 1999	24
Coverage (m²/L)	UNE 48282 : 2017	1,8 - 2 Kg/m²
Volatile organic compounds (VOC)	UNE EN ISO 17895	Maximum product content 15
Sound absorption	EN ISO 354:2004	aw = 0,10

Eco Infra holds a strategic partnership with Kilnher Group (Spain). Ecork is manufactured by Kilnher and marketed by Eco Infra.



Saving energy consumption.



Container made of 100% recycled plastic.

Sustainable Building Materials



Sustainable Building Materials





our web

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