



CORK COATING

DESCRIPTION

Elastic coating made from natural cork based on special acrylic resins that make it highly elastic to withstand substrate contraction. Excellent resistance to climatic changes. A multitude of applications due to its properties of thermal and acoustic insulation, impermeability to rainwater and excellent adhesion to different substrates.

ADVANTAGES

- ✓ Good adhesion to common construction materials such as
- ✓ cement, galvanised steel and glass.
- ✓ Noise and vibration damping, as it has very good sound absorption
- ✓ acoustic absorption.
- ✓ Easy to apply.
- ✓ Good covering power.
- ✓ Natural thermal insulation in both summer and winter.

RECOMMENDED USES

Particularly suitable for noise and vibration damping due to its acoustic absorption and soundproofing, and for thermal insulation.

Protects roofs from external weather damage such as

oxidation, impact noise from rain, wind and hail, as well as temperature changes.

Its application on façades protects against humidity and temperature changes, and covers micro-cracks, preventing façade degradation due to its flexibility, elasticity and durability over time.

Its use is recommended for waterproofing terraces that will subsequently be accessible to pedestrians.

By establishing a thermal barrier, it reduces condensation on roofs.

High adhesion to a wide range of substrates, such as: galvanised steel, PVC, aluminium, mosaic tiles, concrete, cement, plaster, plasterboard, fibre cement, etc.

High flexibility, elasticity and durability over time, waterproof and washable.

Non-slip on walkable surfaces (disabled ramps, boat decks, swimming pool surrounds, etc.).

Minimises echo and reverberation, reducing noise in rooms.

PRESENTATION

Colour: White, ecru and colours on request.

Silky finish.

15 litre formats.

TECHNICAL CHARACTERISTICS

Composition Fixed vehicle Selected acrylic copolymers and natural cork.
Pigments Titanium dioxide and organic and inorganic pigments.

Thinner Water

Density 0.86±0.02 kg/litre.

Particle size ≤ 400-900 μ

Application temperature Between 5° and 35° C

Maximum thickness 2.5 mm per layer.

Allowed expansion 55-65% of its thickness

Thermal conductivity of natural cork: 0.035 W/mo k

Coverage

6-8 m²/15 l container (approximate and depending on surface and thickness).

Drying

To the touch	4-10 hours.
Total	24 hours.
Repainting	After 24 hours at 20 °C.
Curing	15 days for the film to dry completely.

The drying time between coats will depend on the thickness of the coat applied, the absorption of the surface, ambient temperature, ventilation and ambient humidity.

REGULATORY REQUIREMENTS

PROPERTY	TEST METHOD	SPECIFICATION			RESULT		TEST DATE
1. Reaction to fire. Determination of the oxygen index at ambient temperature	UNE 4589-2:2017				Oxygen index 21.7% (V/V)		23/07/2021
2. Determination of water vapour permeability	UNE EN ISO 7783:2019	Class I	Class II	Class III	Sd equivalent air layer thickness Sd= 1.33		23/07/2021
		Sd<5 m	5≤Sd≤50 m	Sd>50 m			
3. Determination of permeability to liquid water	UNE EN 1062-3:2008				Class W3		23/07/2021
4. Determination of adhesion by direct traction	UNE EN 1542:2000	Rigid systems: ≥1.0 (0.7)b N/mm ² . (Without traffic loads) and: ≥2.0 (1.5)b N/mm ² (With traffic loads) Flexible systems: ≥0.8 (0.5)b N/mm ² (Without traffic loads) and ≥1.5(1.0)b N/mm ² (With traffic loads)			σ (N/mm ²) = 4.32		23/07/2021
5. Drop test with large surface area impactor	UNE EN ISO 6272-1:2012	Drop height (mm): 500 Mass (g): 1000			No cracks or flaking		23/07/2021
6. Determination of tensile properties	UNE EN ISO 527-3:2019				LONGITUDINAL	TRANSVERSAL	23/07/2021
					Tensile stress: 0.47 N/mm ² Elongation at break: 19%	Tensile stress: 0.48 N/mm ² Elongation at break: 18%	

APPLICATION

Layers	2 or more layers, as required
Dilution	15-30% for the first coat, and up to 10% for subsequent coats.
Application temperature	Ambient temperature between 5 and 30 °C.

Application tools Paint mixer, air compressor with a minimum flow rate of 250 litres per minute and specific gravity-fed spray gun, or industrial peristaltic or screw-type machines.

Homogenise the product with an industrial mixer at high speed for 3-5 minutes until a fluid, dense paste is obtained, adding up to 5% water if necessary. then load and spray with the spray gun at a distance of 40-60 cm from the surface, at a pressure of 2.5-3 kg of air and perpendicular to the wall. Apply two or more coats, allowing each coat to dry for a minimum of 4-6 hours at 20 degrees.

SURFACE PREPARATION

New surfaces: must be free of dust, clean, dry and free of salt efflorescence.

Old surfaces: in addition to the above considerations, any paint residue must be removed. When applying to already painted surfaces, defective and cracked areas must be sanded, filled and levelled with the most suitable product.

Cork coating can be applied with spatulas and trowels to cover irregularities, fissures and cracks of no more than 4-6 mm by applying successive layers. If the surface is powdery or has large differences in absorption, apply acrylic fixative to even out the surface.

CONSERVATION

Easily homogenised by stirring thoroughly after 12 months of storage in a closed container. Does not form skins or clots. Keep away from temperatures below 5 °C.

SAFETY

Consult the label and Safety Data Sheet.



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