

TECHNICAL DATA SHEET

KLIUCORK PROFESSIONAL



Kliu Solutions S.L.
C/Domènech i Montaner, 9
08191 Rubí, Barcelona

KLIUCORK PROFESSIONAL

A non-polluting cladding based on natural micronized cork dispersed in water-emulsified resins to form acrylic copolymers, developed especially for insulation and soundproofing. Highly elastic and flexible and very hard-wearing, it is ideal for the cladding and protection of façades, retaining walls, warehouse roofs, thermal bridge breaks, improving thermal and sound insulation, breathability, getting rid of condensation, etc.

PRESENTATION

- A thick, water-based, ready-to-use paste
- Density: $\geq 820 \text{ kg/m}^3$
- Solids content: $35.5 \pm 1 \%$
- Natural micro-rough appearance
- Choice of 24 colour shades - Option of creating new colours, depending on quantity
- Pleasant, temporary smell
- Easy-to-handle 12 kilo containers

TECHNICAL PROPERTIES

- Much improved thermal insulation thanks to heat diffusion in façades as well as interiors.
- Excellent breathability, ideal for damp resulting from capillarity or condensation.
- Total waterproofing.
- Excellent sound insulation properties:
 - By transmission
 - By resonance
 - By impact
- Extremely flexible.
- Excellent resistance to adverse weather, damp and UV rays.
- Anti-saltpetre solution.
- Excellent adherence to concrete, fibre cement, brick, tile, asphalt membrane, paving stones, metal, PVC (*) and glass. On other plastics, it is advisable to carry out adherence tests in advance.

METHOD OF USE ()**

Before application, stir the contents of the container well using a low-revolution mechanical stirrer to ensure the product is evenly mixed. DO NOT DILUTE!

The product should ideally be applied by spray gun. It can be used with a plaster trowel or a paint roller if this is only for touch-ups.

- Ambient application temperature: -2°C to +45°C.
- Recommended coat thickness, with a minimum of two coats: 1.5 mm (3 mm total).
- You can increase its soundproofing properties by applying more coats.
- Dry to the touch: 5 hours at 20°C.
- Totally dry: 12-24 hours (for a coat of 2-5 mm).
- Yield: ± 2.5 kg/m².
- Cleaning of tools: water only.

PROPERTIES	RESULTS	MEASUREMENT UNITS	METHOD
Fire performance	Euroclass Bs2d0	---	UNE-EN 13501-1
Ventilation/Breathability	75	%	Experimental
Waterproofing	100	%	Edward B. Grunau method
Compressive strength	≥ 15	kPa	MSZ EN 826:1997
Thermal conductivity	0.048	λ (kcal/h °C m)	UNI 7745
Tensile strength	20N/5	cm	UNE 53112/98
Encapsulation of fibre cement/asbestos	Ideal		UNI 10686 - 10
Fracture elongation	11 to 33	%	UNE 53112/98
Resistance to immersion in seawater	Stable		7 days immersed in sea and salt spray
Accelerated ageing in salt spray chamber	5	years	UNE 104.242 1/95

PREPARATION OF SURFACES TO BE PROTECTED ()**

Surfaces to be treated must be clean, dry, smooth and free from dust, saltpetre or any other kind of superficial contaminant. The surface temperature should be at least 3°C above the dew point to prevent any micro-condensation.

The product can be applied directly to the material to be treated or on top of paint or other cladding provided it is smooth and in a good condition, otherwise it must be removed.

(**) - See the general Application Manual for KLIUCORK products.

GENERAL PRECAUTIONS

Keep containers securely closed after use. Do not throw residue down the drain.

You should ensure there is plenty of fresh air or the appropriate ventilation system in place before application to ensure optimum drying.

The usual personal protective equipment should be used to avoid inhaling or ingesting the product or prolonged contact with the skin. The usual fire precautions should be taken during application.

Storage stability: 1 year in the original sealed container in interior storage areas at a temperature of between 5°C and 30°C, away from sun and freezing temperatures.

NOTES

The quality warranty of this product is based on our general sale and delivery conditions. Our technical advice, whether verbal or in writing, is given in accordance with our current knowledge and experience, and should be taken into account as advice that does not compromise our liability or exempt users from the need to check that the products we supply correspond to the purpose for which they have been acquired, carrying out their own tests. The application, use and maintenance of the product are not carried out by Kliu Solutions, SL and therefore we cannot take responsibility for any applications or results that are different from those described herein. Our general safety advice does not exempt you from the obligation to determine your own measures adapted to the conditions of your own facilities. We reserve the right to modify the data contained herein without prior notice in accordance with technological advances.

KLIUCORK PROFESSIONAL is a product of KLIU SOLUTIONS, SL.
Technical data sheet version 15-05-2015. Supersedes all others.

ASSOCIATION MEMBERSHIP NO. 1951

