TECHNICAL SHEET
LIEGE PROJECT - SEACORK HULL

(Former name: “Suberspray”)

DESCRIPTION

SEACORK HULL is a coating based on natural cork mortar in granules, designed as a single-component product. Packaged in a water-based format, this mixture dries after application on all types of previously cleaned supports. It offers a wide range of applications in the construction sector thanks to its unique characteristics:

- Insulating properties,
- Waterproof,
- Water vapor permeance,
- Adhesiveness,
- Many color possibilities for decoration.
- Smooth finish thanks to fine granules.

USES

- The SEACORK HULL provides rain noise dampening and thermal corrector properties for:
  - The interior covering of boat hulls
  - Decorative covering of flat roofs
  - Decorative covering of galvanized roofs
  - Decorative covering of fiber cement roofs

- Coating, rendering or resurfacing of interior and exterior facades (correcting the effect of cold walls), including an I1 waterproofing option, in accordance with reference standards DTU 42-1 and EN 1062-1.

- Cladding of metal beams and pillars.

- Underlay between a concrete slab and a parquet or tile covering, which can also be used to fill small cracks.

- General thermal insulation (protection against condensation), acoustic, vibration and resonance damping in buildings (acoustic correction and soundproofing).

- General insulation of industrial warehouses (protection against rust).

PROPERTIES

THESEACORK HULLstands out for its exceptional properties:

- Elasticity and flexibility
- High mechanical resistance (traction, bending and compression)
- Significant resistance to bad weather (including air pollution).
- Propertiesincreased antifungal/antibacterial properties
- Low VOC content, below the threshold of 30g/l in accordance with regulations (directive

2004/42/EC)

Because of these qualities, theSEACORK HULLIt can be applied to surfaces with complex shapes due to its flexibility and easy application. Once dry, the coating provides a finish with excellent crack-hiding properties.

TECHNICAL CHARACTERISTICS

2 passes: thickness 2-3mm
3 passes: thickness 3-4mm
4 passes: thickness 4 to 5 mm

Application temperature	Between 5°C and 35°C
Dry to the touch	After +/- 4 hours (at 20°C)
Hardening	Between 24 and 48 hours (2 mm layer at 20°C)
Specific weight application	0.8 gr/cm3
Dry specific weight	0.65 gr/cm3
Temperature resistance	Between – 40°C and + 200°C
Behavior to UV radiation and humidity for 2, 3 or 4 passes * (Standard NF EN 1062-11)	No blistering or peeling Bleaching (whitening of the shade)
Thermal cycle behavior for 2, 3 or 4 passes* (Standard EN 13687-3:2002)	No blistering or peeling. Discoloration (whitening of the shade) does not vary.
Volume contraction	8% approximately
Adhesion on concrete	0.5 MPa (N/mm²) or 5 kg/cm2
Adhesion to cement mortar	0.5 MPa (N/mm²) or 5 kg/cm2
Adhesion to cement fibers* (NF EN 1542 standard)	0.5 MPa (N/mm²) or 5 kg/cm2
Tensile strength	20N/5cm
Coating elongation at break / cracking behavior* (Standard NF EN1067-7 (August 2004)	Verified crack resistance class: A2 - 2 passes: 0.31 mm - 3 passes: 0.32 mm to 0.35 mm - 4 passes: 0.32 mm to 0.31 mm
Dilation allowed	30% - 33%
Solids in volume	70%
Yield	+or - 2 kg/m²in minimum thickness
Water vapor permeability* (Standard NF EN ISO 7783-2)	Permeability class: - 2 passes: V1 (strong) - Sd = 0.09 m (243 gr / m² / 24 h) - 3 passes: V2 (average) - Sd = 0.36 m
Liquid water permeability* (Standard EN 1062-3 – May 2008)	Permeability class W2 (medium) - 2 passes: 0.10 W Kg/m².h0.5 - 3 passes: 0.125 W Kg/m².h0.5 - 4 passes: 0.13 W Kg/m².h0.5
Thermal conductivity λ	0.038 W/mK

(*) Bureau Veritas tests

IMPLEMENTATION

Read the reference documents, the specifications and the site discovery sheet.

Consumption :1 pot allows you to make 6 m² in two layers or 4 m² in three layers

Implementation:

1. Surface preparation: Before applying SEACORK HULL, it is essential to prepare the surface by ensuring that it is dry, clean, and free of dust and greasy residue. Specific products such as antifungal or anti-humidity treatments can be used, but they must meet the same substrate preparation requirements (dry, clean, and free of dust and greasy residue). Any irregularities must be corrected to ensure good adhesion. This preparation must comply with the DTU (Unified Technical Documents) standards in force to ensure the durability of the coating. It is also essential to carefully read the Technical Data Sheet (TDS) and the Safety Data Sheet (SDS) of the product before any application.

2. Open the jar and remove the plastic film protecting the material
3. Mix the product for +/- 2 mm using a professional mixer, or even 5 minutes or more with a small mixer on a drill (if necessary, add 10 to 20 cl of water). For tinted versions, this is when you need to add the pigment to the pot.
4. The gun is connected to the compressor (ideal: 100 liter tank - 3 HP power) by a hose. The gun's air consumption is 220 liters / minute. It is recommended to spray the product with the appropriate gun.
5. Fill the gun cup with the material and then press the gun trigger.
6. Apply Seacork Sprayed Cork, with a pressure of approximately 4 bars, spraying a first layer of approximately 0.8 to 1 mm.
7. Once dry to the touch (allow between one and three days depending on the type of support, thickness and ambient temperature), apply the second coat of approximately 1 mm; you will obtain +/- 2 mm of total thickness.
8. For greater thickness, repeat the process once the previous coat is dry to the touch (drying time depends on the surface, humidity and temperature). Ensure good ventilation and, if possible, heat the room in cold weather to remove any water.
9. For a smoother surface, use a float or trowel before the second coat is completely dry: smooth and flatten the material. It is essential that the previous coat is completely dry before this step—contact us for advice if necessary.

Other tips

- The tools are easily cleaned with water immediately after use.
- Product application: It is advisable to wear a protective suit, protective gloves, and a protective mask.
- Seacork HULL can be painted after drying with paint without flammable solvents or silicone