

SELF PROTECTED LIQUID SEALING TANKS

The SOUPLETHANE 5 C system, composed of a two-component, solvent-free and odourless polyurea-urethane resin, is applied cold. This system can be used in new construction and in rehabilitation.

It guarantees continuous **waterproofing** with **resistance to cracking**, which makes it ideal for the protection of concrete structures in wastewater treatment plants, water tanks, swimming pools, fountains (casings).

Conforms to Paper 74.

CHARACTERISTICS

Chemical nature	Polyurea-urethane resin (aromatic) 2-component	Mix Ratio	Comp. A / Comp. B = 3/1 a volume
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Solvent-free Dry Matter 100%

Color: grey, cream, others on request

Packaging: Pre-dosed kits of 5, 13 kg / kits of 35, 104, 1,040 kg

Shelf life: 12 months - From the date of manufacture and in its original unopened packaging, under cover at more than 5°C in a cool, ventilated place (frost-free)

QUALIFICATIONS

VERITAS (Crack Resistance)

Fire resistance: B-s2-d0 (non-flammable)

CULMINATING POINT :

RESISTANCE TO CHLORIDE ION DIFFUSION

Tested on coated concrete specimens (SOUPLETHANE 5 - 2 mm thick):

Chloride diffusion coefficient: not measurable ($\leq 1.10 \cdot 10^{-14} \text{ m}^2/\text{s}$) to be compared with Diffusion coefficient of standard concrete ($32.3 \cdot 10^{-12} \text{ m}^2/\text{s}$) and high-performance concrete ($3.9 \cdot 10^{-12} \text{ m}^2/\text{s}$)

Tests carried out by the LERM laboratory., France

BENEFITS

- ✓ Easy application
- ✓ Quick drying 5 hours at 20°C
- ✓ 100% solids, classified as HEQ-VOC emissions
- ✓ Flash point above 200°C
- ✓ Excellent crack resistance (up to 4 mm)
- ✓ Excellent adhesion to concrete: 3.5 MPa
- ✓ Resistance to chloride ion diffusion
- ✓ Compatible with extreme temperature cycling :
- 50°C/+80°C



KEMICA COATINGS

Reinventing coatings



bio-based



sustainable



eco-friendly

IMPLEMENTATION

SUBSTRATE PREPARATION Check the substrate humidity, relative humidity, product and substrate ambient temperatures, and dew point. The substrate should be clean, dry and free of moisture.

PREPARATION DU MELANGE

Carefully re-homogenize component (A) before mixing - Knead the mixture A + B with a mechanical stirrer (mixer) for 40 sec.

APPLICATION: manual (notched comb/roller) or spray

CONSUMPTION:

Watery PU primer: 150 g/m²
SOUPLETHANE 5 : 2.6 kg/m²

POT LIFE : 40 mn

RECOVERY TIME: Minimum 5h to 72h for floors

1 hour for vertical

DRYING TIME: 24 h

TDS and SDS available