CLEARSEA

CLEARSEA SYSTEM

SOUPLETHANE 5 or UR5 / SOUPLETHANE 5^{E}/ textile fibers

Antifouling finishing and anticorrosion / waterproofing system coating

CSTB TECHNICAL ASSESSMENT N° AT : 12/15-1704_v1

KEMICA COATINGS
Reinventing coatings

SYSTEM based on a **solvent-free**, two-component **polyurethane resin** and a **finishing layer based on** the application of a **charge-conducting resin which allows the electrostatic projection of textile fibers** following its application. This system is suitable on all substrates to produce a **LIQUID WATERPROOFING OR AN ANTICORROSION PROTECTION AND ANTIFOULING COATING** :

- Tanks
- Offshore structures
- Fishing lockers
- Internal coating of pipes
- Underwater cables
- Other maritime applications

SOLVENT FREE

ADVANTAGES

- ✓ Avoids the development of fouling (attachment of molluscs)
- ✓ Permanent antifouling effect - without regeneration every 2-3 years
- ✓ Without solvents or other toxic products
- ✓ **No pollution of the marine environment - no impact on the fishing areas / fish farming or shellfish – Ecological**
- ✓ Easy to apply
- ✓ Easy maintenance
- ✓ Applicable in new or renovation

Quick back-to-service – 24h

Durable

CHARACTERISTIQUES

SOUPLETHANE 5 or UR5 / SOUPLETHANE 5^{E}

Chemical type	Two component polyurethane resin	**Mixing ratio**	Part A / Part B = 3 / 1 in volume
Solvent free	100 % solids *(ISO 1515)*		

Colour : cream, grey, green, blue, red or others (consult us)

Packaging : see TDS

SYSTEM

- **Coating layer : waterproofing SOUPLETHANE 5 or anticorrosion SOUPLETHANE UR5**
  Consumption: 1.5 mm – 2 kg/m² to 2 mm – 2,6 kg/m²
  Overcoat time at 20°C: mini 5 h / maxi 72h for horizontal surface - 1h for vertical
- **Thin resin layer SOUPLETHANE 5^{E}**
  Consumption : 0.2 mm - 0.3 kg/m²
  Cover immediately by spraying electrostatically textile fibers (1 or 2 mm)
  Consumption : 150g/m² for the 1 mm fibers and 250g/m² for the 2 mm fibers
  Productivity (fibers application stage): 20 m²/h

CONDITIONS OF USE - APPLICATION

Made in FRANCE

SURFACE PREPARATION Before applying the resin, check the substrate humidity, the air relative humidity, the product temperature, the ambient air and substrate temperatures, together with the dew point. The substrate must be clean, dry and free of any soiling. If the substrate humidity is > 4 %, the KEMIPOX or PU AQUEUX system can be applied to form a barrier against the damp proofing.

MIXTURE PREPARATION According to the TDS of the product (Souplethane 5, Souplethane UR5, Souplethane 5^{E})

APPLICATION On a Souplethane 5 (waterproofing) or UR5 (anticorrosion) coating layer, apply a thin layer of SOUPLETHANE 5^{E} (conductive of electrical charges) and then immediately project the appropriate textile fibers (the Souplethane 5^{E} layer is conncected to the earth). Those fibers are landed and connected to the surface vertically to produce a uniform flocked surface.

Curing time : 24h