

Single component strippable resins



Strippable resins can be used to protect, contain or decontaminate equipment and premises. These resins consist of a sprayable gel forming a strippable film after crosslinking.

FIELDS OF APPLICATION

Protection of equipment and premises

- Protection of equipment before entry into a contamination risk zone
- Protection of work chambers and worksite zones with one or more separable layers of resin
- Protection of ventilation equipment and premises to maintain dynamic confinement

Stripping off of the resin ensures that equipment remains free of contamination and enables the work areas to be cleaned up after the intervention.

Confinement of contamination

- Confinement of contaminated surfaces (work tents, walls, ventilation ducts, equipment, etc.)
- Confinement of contamination between two layers of resin

Decontamination

- Treatment of contaminated surfaces: spraying, drying and then stripping of the resin to remove superficial fixed contamination



Benefits of our solution

- **ADAPTABLE**
Wide range of single-component resins for use on all substrates with proven safety
- **EASY TO USE**
Single-component resins for simplified application and removal
- **SAFETY / RADIATION PROTECTION**
Improved conditions for intervention
- **NUCLEAR SAFETY**
Establish or restore dynamic confinement of equipment or premises

Key data

- **Product compatible with very-low-level and low-level/intermediate-level waste disposal channels**
- **Remote and airless spray application**
- **Average drying time of about 6 hours (depending on environment)**
- **Resistance to tearing, rubbing and punching**
- **High elasticity and mechanical strength**
- **Heat resistance: retention of mechanical properties at 500°C over 2 minutes**
- **Irradiation resistance: retention of mechanical properties after an absorbed dose of 125 Gy in 8 hours**
- **Immersion pressure withstand (specific formulation): 2 bars**
- **Average thickness of a layer of resin: 500µm**

Protection, confinement, sealing and decontamination

Our services

- Conduct of studies and proposals for bespoke solutions
- Process adaptation to the specifics of each application (choice of products and equipment, mode of implementation)
- Performance of operations on site by an experienced team



Watch our presentation video of strippable resins

Contact us to discover the range of possible applications and services with single component strippable resins.

Our references

Protection and preventive confinement

- **CEA Saclay** : Protection of a work chamber for dismantling operations on STEL evaporator tanks (Liquid Effluent Treatment Station)
- **Orano La Hague**: Protection / decontamination operation on dismantling site work tent



Confinement of contamination

- **Orano La Hague** : Simulation of an emergency operation to restore tightness of building structures (cracking) within the context of ECRIN exercises
- **Orano La Hague** : Operation to seal off cracking in the civil engineering to restore negative pressure to required level
- **Orano La Hague** : Restoral of dynamic confinement of storage tank supply units



Decontamination

- **Orano La Hague** : Decontamination of a CBFK container (decontamination factor greater than 8)
- **Orano La Hague** : Decontamination of a transport trailer enabling it to be put back into circulation



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