

T900 + UV-curing FRP Shield

Product Description

T900 + UV-curing FRP Shield is a multilayer coating system designed for the corrosion protection of welded joints operating in highly corrosive environments and exposed to high mechanical stresses that may be present particularly on large diameter pipes.

The system consists of T900 corrosion prevention inner layer and UV-curing FRP Shield mechanical protection outer layer.

T900 provides a strong cohesive bond to the steel surface, at the spiral overlap and to the factory coatings. The tough mechanical properties of UV-curing FRP Shield protect the pipes from mechanical damage. And these make up a complete joints system.

T900 + UV-curing FRP Shield is the most reliable joints system, of which the main goal –corrosion prevention- is separated from the mechanical protection. Theoretically failure of the joints coating will never happen.

Features/Benefits

- Application by hand, easily and fast.
- Cold applied, without extra heat.
- Resistant to UV.
- Long term corrosion protection.
- Good mechanical properties.
- Resistance to the cathodic disbondment.
- Compatible with common pipe coatings, such as 3LPE, FBE, etc.

Product Properties

Physical Properties	Test Method	Value
Thickness of inner layer	ISO 4593:1993(E)	2.0mm \pm 0.2mm
Thickness of outer layer	ISO 4593:1993(E)	2.5mm \pm 0.2mm
Peel Adhesion (to steel)	ASTM D1000	\geq 5N/cm cohesive fracture
Dielectric Strength	ASTM D 149	\geq 20 kV/mm
Hardness	ASTM D 2240	Shore D \geq 85
Impact Resistance	ASTM G 14	\geq 25J