

High-temperature surface tolerant self-healing viscoelastic coating

mv12 is a non-crystalline viscoelastic polymer for corrosion prevention and sealing your underground applications at high temperatures. This viscoelastic coating is self-healing and designed to be applied directly to clean and dry ferrous and non-ferrous surfaces and remains flexible and stress-free, offering low permeability to water and gases/vapors.

Maximizing your benefits

Viscoelastic material

Giving it a unique ability to self-heal and protect against corrosion

Excellent temperature resistance

Allows you to coat surfaces that operate at high temperatures

Self-healing properties

Supports self-healing of the completed coating system

Surface tolerant

Excellent wetting characteristics, ensuring the best substrate penetration

Maximizing your applications

- Underground applications
- Oil pipeline
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Pipes fittings
- Field joints
- Soil-to-air transitions
- Buried structures
- Buried components

PROPERTIES

Color	Light Blue
Application	Underground
Thickness (mm)	≥ 1.8
Density (g/cm ³)	1.4 to 1.6
Temperature range (°C)	-45 to +95
Glass transition temperature (°C)	≤ -65

TESTS

Complies to ISO 21809-3	Yes
Crystallization temperature	no crystallization
Holiday Detection Test (5 kV/mm + 5 kV)	no holiday
Adhesion test (23 °C)	0,3 N/mm, ≥ 95% coverage
Lap shear (23 °C)	0,03N/mm ² , coverage ≥ 95%
Resistance to Indentation	≥ 0.6mm
Resistance to NaOH (10%)	No changes
Resistance to NaCl (3%)	No changes
Cathodic disbondment	No holiday or disbondment

SURFACE PREPARATION

Minimum St 2 (by hand tool)

Surface profile is not required

PACKING

MV12-0510	12 rolls per carton
MV12-1010	6 rolls per carton
MV12-2010	2 rolls per carton

STORAGE

Storage Temperature	Less than 40 °C
Shelf Life	Does not have a shelf life.

DIMENSIONS (mm x m x mm)

MV12-0510	50 x 10 x 1.8
MV12-1010	100 x 10 x 1.8
MV12-2010	200 x 10 x 1.8

