

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

SURFACE PREPARATION		STORAGE	
Minimum St 2 (by hand tool)		Storage Temperature	Less than 40 °C
Surface profile is not required		Shelf Life	Does not have a shelf life.
PACKING		DIMENSIONS (mm x m x mm)	
MV12-0510	12 rolls per carton	MV12-0510	50 x 10 x 1.8
MV12-1010	6 rolls per carton	MV12-1010	100 x 10 x 1.8
MV12-2010	2 rolls per carton	MV12-2010	200 x 10 x 1.8

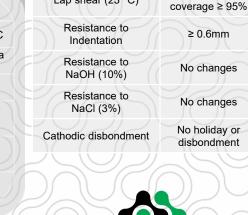
Color	Light Blue	
Application	Underground	
Thickness (mm)	≥ 1.8	
Density (g/cm³)	1.4 to 1.6	
Temperature range (°C)	-45 to +95	
Glass transition temperature (°C)	≤ -65	
TESTS		
Complies to ISO 21809-3	Yes	
Crystallization temperature	no crystallization	
Holiday Detection Test	no holiday	

no holiday

0,3 N/mm,

≥ 95% coverage 0,03N/mm²,

PROPERTIES



(5 kV/mm + 5 kV)

Adhesion test (23 °C)

Lap shear (23 °C)













