

## Stretchable self-healing viscoelastic coating for underground applications

**mv14** is a stretchable, non-woven, fabric-backed, non-crystalline viscoelastic coating for corrosion prevention and sealing in underground applications. This stretchable viscoelastic coating can be directly applied to dry ferrous and non-ferrous surfaces and remains flexible and stress-free, offering low permeability to water and gases. It is fully compatible with cathodic protection systems, providing long-term corrosion prevention.

### Maximizing your benefits

#### Viscoelastic material

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

#### Excellent impact and indentation resistance

Resists to damages that may occur during installation and backfilling

#### Self-healing properties

Cracks are stopped even before they develop

#### No cathodic disbondment

Cathodic Protection of steel structures is not affected

### 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)	≥ 2.2
Density (g/cm <sup>3</sup> )	1.4 to 1.6
Temperature range (°C)	-45 to +70
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 <sup>2</sup> , coverage ≥ 95%
Resistance to Impact	≥ 15J
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

#### STORAGE

Storage Temperature Less than 40 °C

Shelf Life 8 years

#### PACKING

MV14-1008 6 rolls per carton

MV14-2008 2 rolls per carton

#### DIMENSIONS (mm x m x mm)

MV14-1008 100 x 8 x 2.2

MV14-2008 200 x 8 x 2.2

