

Stretchable self-fusion viscoelastic coating integrated with mechanical protection

mv70 is a stretchable EPDM rubber-backed non-crystalline self-fusion viscoelastic coating for corrosion prevention and sealing in aboveground applications. This self-fusion stretchable viscoelastic coating does not require mechanical protection, and it is cold applied directly to dry ferrous and non-ferrous surfaces and remains flexible and stress-free, offering low permeability to water and gases/vapors and long-term corrosion prevention.

Maximizing your benefits

Impermeable to water and gas

No osmosis or underfilm migration of moisture

Self-healing properties

Cracks are stopped even before they develop

No cathodic disbondment

Cathodic Protection of steel structures is not affected

Safety to use

No physical, health or environmental hazards

Maximizing your applications

- Aboveground applications
- Oil pipeline
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Sealing
- Steel-plastic converters
- Thread connectors
- Irregular shapes
- Through-wall pipeline

SURFACE PREPARATION

Minimum St 2 (by hand tool)

Surface profile is not required

PACKING

MV70-0503	27 rolls per carton
MV70-0505	27 rolls per carton
MV70-0504	24 rolls per carton
MV72-0503	27 rolls per carton
MV72-0505	27 rolls per carton

STORAGE

Storage Temperature Less than 40 °C

Shelf Life 5 years

DIMENSIONS (mm x m x mm)

MV70-0503	50 x 3 x 1.0
MV70-0505	50 x 5 x 1.0
MV70-0504	75 x 4 x 1.0
MV72-0503	50 x 3 x 1.0
MV72-0505	50 x 5 x 1.0

PROPERTIES

Color	Black or Yellow
Application	Aboveground
Thickness (mm)	≥ 1.0
Density (g/cm ³)	1.2 to 1.5
Temperature range (°C)	-30 to +70
Glass transition temperature (°C)	≤ -50

TESTS

Complies to ISO 21809-3	Yes
Crystallization temperature	no crystallization
Holiday Detection Test (5 kV/mm + 5 kV)	no holiday
Drip resistance (T _{max} + 20 °C)	no dripping (48 hours)
Adhesion test (23 °C)	0,3 N/mm, ≥ 95% coverage
Lap shear (23 °C)	0,03N/mm ² , coverage ≥ 95%
Salt Spray (500 hours)	Pass
UV Resistance	≥85%
Cathodic disbondment	No holiday or disbondment

