



maxvisco

Multiuse Sealing and Corrosion Protection Tape Systems

www.maxepoxy.com

 **maxepoxy**
PROTECTION & REPAIR TECHNOLOGY

MAXIMIZING ASSET EFFICIENCY

☐ MAXMETAL
 ☐ MAXCERAMIC
 ☐ MAXPRIMER
 ☒ MAXVISCO
 ☐ MAXCOMP

Multiuse Sealing and Corrosion Protection Tape Systems

Line developed with the most advanced polymer technology providing self-healing coating characteristics and immediate unmatched adhesion to the substrate, including ferrous and non-ferrous substrates as well as concrete, plastic, and wood surfaces.

Surface-tolerant products provides an easy and safe way to apply without the need for special tools in a large variety of scenarios.

For metal and concrete sealing and corrosion prevention, Maxvisco provides outstanding self-healing and permanent wetting characteristics.

MAXVISCO is a fully amorphous, non-polar and non-cross-linked polymer with very low permeability to water, oxygen, and micro bacteria. Remains flexible and stress free for its full life cycle and does not require a surface profile for application.

MaxApplications:

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



MAXWRAPPING



MAXFILLER



MAXHEALING



MAXADHESION



MAXTAPE



MAXIMPERMEABLE



MAXSUBSEA



MAXSTRENGTH



MAXISOLATION



MAXEPOXY® MV12

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

- Underground environments;
- High-temperature applications;
- Meets ISO 21809-3;
- Application can be automated;
- Resistant to salts, acids & alkalis;
- Compatible with cathodic protection;
- No primer is required;
- Minimum surface preparation;
- High adhesion to most substrates;
- Self-healing;
- Non-toxic to the environment;
- Low permeability.



MAXEPOXY® MV14

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/vapors.

- Stretchable, flexible and stress-free;
- Freely conforms to irregular shapes;
- Meets ISO 21809-3;
- Application can be automated;
- Resistant to salts, acids & alkalis;
- Compatible with cathodic protection;
- No primer is required;
- High adhesion to most substrates;
- Self-healing;
- Non-toxic to the environment;
- Safe to handle;
- Auto rebounding & tightening.





MAXEPOXY® MV20

Is an injectable, non-curing filling viscoelastic compound **for use in non-accessible areas where moisture can be trapped and contribute to corrosion.** It is non-toxic, resistant to water, and has very low vapor and gas permeability. This injectable filler is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces, making it the best solution to protect voids and narrow spaces.

- Injectable filler;
- Meets ISO 21809-3;
- Resistant to salts, acids & alkalis;
- Flexible and stress-free;
- Low permeability;
- Ideal for voids and narrow spaces;
- No primer is required;
- Minimum surface preparation;
- High adhesion to most substrates;
- Non-toxic to the environment;
- Safe to handle;
- Resistant to water.



MAXEPOXY® MV22

A non-crystalline moulding viscoelastic paste for **use as part of a corrosion prevention system to fill voids and smooth irregularities in non-uniform structures.** It does not cure and offers low permeability to water and gases/vapors, and is stress-free, maintaining flexibility, and is fully compatible with cathodic protection systems. This viscoelastic paste is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces.

- Ideal to fill irregular shaped objects;
- Meets ISO 21809-3;
- Application can be automated;
- Resistant to salts, acids & alkalis;
- Flexible and stress-free;
- No primer is required;
- Minimum surface preparation;
- High adhesion to most substrates;
- Self-healing;
- Non-toxic to the environment;
- Low permeability.



MAXEPOXY® MV50

A paintable, non-crystalline, and fiber-reinforced viscoelastic **polymer for corrosion prevention and sealing of your aboveground tank chime applications.** This flexible viscoelastic coating is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces where heavy pitting exists. maxvisco 50 maintains its flexibility and is stress-free, as well as low permeability to water and gases/vapors.

- Ideal for tank chime applications;
- Meets ISO 21809-3;
- Can be coated;
- Resistant to salts, acids & alkalis;
- Compatible with cathodic protection;
- Fiber-reinforced;
- No primer is required;
- Minimum surface preparation;
- Resistant to UV;
- Self-healing;
- Non-toxic to the environment;
- Low permeability.



MAXEPOXY® 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.

- EPDM rubber-backed;
- Aboveground self-fusion;
- Meets ISO 21809-3;
- Good resistance to ageing;
- Low permeability;
- High adhesion to most substrates;
- Non-toxic to the environment;
- Safe to handle;
- Cold applied and UV resistant;
- No mechanical protection;
- Self-tightening.





MAXEPOXY® MV42

A stretchable non-woven fabric-backed non-crystalline viscoelastic coating **for corrosion prevention and sealing in aboveground 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/vapors. It is fully compatible with cathodic protection systems.

- Stretchable, flexible and stress-free;
- Freely conforms to irregular shapes;
- Meets ISO 21809-3;
- Application can be automated;
- Resistant to salts, acids & alkalis;
- No primer is required;
- High adhesion to most substrates;
- Self-healing;
- Non-toxic to the environment;
- Safe to handle;
- Auto rebounding & tightening.



MAXEPOXY® MV90

Is a **stretchable, non-woven, fabric-backed, non-crystalline self-healing viscoelastic coating for immersion applications**. This stretchable viscoelastic coating is the primary layer of maxvisco's two-layer corrosion prevention system and can be applied on condensing or submerged ferrous and non-ferrous surfaces.

- Subsea applications;
- Applicable on damp surfaces;
- Stretchable viscoelastic coating;
- Meets ISO 21809-3;
- Self-tightening effect;
- Stretchable fiber backing;
- Non-toxic to the environment;
- Safe to handle;
- No primer is required;
- Resistant to chlorides;
- Flexible and stress-free;
- Prevents underfilm corrosion.



MAXIMIZING ASSET EFFICIENCY

	TEMP UP TO 95C	REQ. MECH. PROTECTION	PAINTABLE	INJECTABLE	PASTE	TAPE	STRETCHABLE	IMPERMEABLE	SUBSEA	ABOVE GROUND	UNDERGROUND	PRODUCT
		•				•		•		•	•	MV10
•	•	•				•		•		•	•	MV12
		•				•	•	•		•	•	MV14
				•	•			•		•	•	MV20
					•			•		•	•	MV22
		•	•			•		•		•		MV40
		•	•			•	•	•		•		MV42
		•	•			•		•		•		MV50
						•	•	•		•		MV70
	•					•	•	•	•			MV90



SCAN TO DOWNLOAD
THE DIGITAL CATALOG



maxvisco

Surface tolerant self-healing viscoelastic coating for underground applications

mv10 is a non-crystalline viscoelastic polymer for corrosion prevention and sealing of your underground applications. This viscoelastic coating is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces, and it maintains its flexibility and is stress-free, as well as low permeability to water and gases/vapors. **maxvisco 10** is self-healing and does not cure, offering long-term corrosion prevention.

Maximizing your benefits

Viscoelastic materials

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

Designed to self-heal to provide superior protection against corrosion

Surface tolerant

Excellent wetting properties with the best penetration into the substrate

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)	≥ 1.5 / ≥ 1.8
Density (g/cm ³)	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 ² , 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

PACKING

MV10-0510	12 rolls per carton
MV10-1010	6 rolls per carton
MV10-2010	2 rolls per carton
MV10-2020	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)

MV10-0510	50 x 10 x 1.5(1.8)
MV10-1010	100 x 10 x 1.5(1.8)
MV10-2010	200 x 10 x 1.5(1.8)
MV10-2020	200 x 20 x 1.5(1.8)



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



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 ³)	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 ² , 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



Injectable non-curing surface tolerant viscoelastic filling compound

mv20 is an injectable, non-curing filling viscoelastic compound for use in non-accessible areas where moisture can be trapped and contribute to corrosion. It is non-toxic, resistant to water, and has very low vapor and gas permeability. This injectable filler is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces, making it the best solution to protect voids and narrow spaces.

Maximizing your benefits

Injectable, non-curing compound

Allows to use in non-accessible areas where moisture can be trapped

Self-healing properties

Self-healing of small dents, voids, and cracks

Fast and easy to apply

Does not require special tools for application

Does not harden and has no pot-life limitations

No curing or waiting time, ready for immediate service

Maximizing your applications

- Sealing and filling
- Cracks
- Fill voids
- Irregular shapes
- Penetrations
- Non-accessible areas
- Gaps between flanges
- Gaps between gaskets
- Gaps in irregular surfaces
- Nuts and bolts

PROPERTIES

Color	Light Green
Application	Underground
Thickness (mm)	Not Applicable
Density (g/cm ³)	1.2 to 1.5
Temperature range (°C)	-45 to +70
Glass transition temperature (°C)	≤ -65

TESTS

Complies to ISO 21809-3	Yes
Crystallization temperature	no crystallization
Drip resistance (T _{max} + 20 °C)	no dripping (48 hours)
Holiday Detection Test (5 kV/mm + 5 kV)	no holiday
Electrical Insulation	≥ 10 ¹⁰ Ω·m ²
Resistance to NaCl (3%)	No changes
Lap shear (23 °C)	0,03N/mm ² , coverage ≥ 95%
Lap shear (T _{max})	0,003N/mm ² , coverage ≥ 95%
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 Does not have a shelf life.

PACKING

MV20-0020

9 bags per carton

DIMENSIONS

MV20-0020

2kg per bag



Malleable sealing surface tolerant self-healing viscoelastic compound

mv22 is a non-crystalline molding viscoelastic paste used as part of a corrosion prevention system to fill voids and smooth irregularities in non-uniform structures. It does not cure and offers low permeability to water and vapors, and is stress-free, maintaining flexibility, and is fully compatible with cathodic protection systems. This viscoelastic paste is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces.

Maximizing your benefits

Malleable viscoelastic paste

Easy to mold on irregular shaped objects

Does not age

The sealing remains permanently flexible

No cathodic disbondment

Cathodic Protection of steel structures is not affected

Does not harden and has no pot-life limitations

No material waste and can be re-used

Maximizing your applications

- Sealing and filling
- Fill voids
- Smooth irregularities
- Irregular shapes
- Penetrations
- Molding applications
- Gaps between flanges
- Gaps between gaskets
- Gaps in irregular surfaces
- Nuts and bolts

PROPERTIES

Color	Light Blue
Application	Underground
Thickness (mm)	Not Applicable
Density (g/cm ³)	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
Drip resistance (T _{max} + 20 °C)	no dripping (48 hours)
Resistance to NaOH (10%)	No changes
Resistance to NaCl (3%)	No changes
Lap shear (23 °C)	0,03N/mm ² , coverage ≥ 95%
Lap shear (T _{max})	0,003N/mm ² , coverage ≥ 95%
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 Does not have a shelf life.

PACKING

MV22-0020

6 pieces per carton

DIMENSIONS

MV22-0020

2kg per piece



Paintable, self-healing viscoelastic coating for aboveground applications

mv 40 is a paintable, non-crystalline, and fiber-reinforced viscoelastic polymer for corrosion prevention and sealing your aboveground applications. This viscoelastic coating is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces, and it maintains its flexibility and is stress-free. **maxvisco 40** can be coated with various colors to protect outdoor irregular steel structures, overhead pipelines, valves, and flanges.

Maximizing your benefits

Viscoelastic material

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

Surface tolerant

No blasting techniques required, hand tool cleaning is sufficient

Self-healing properties

Designed to self-heal to provide superior protection against corrosion

Paintable

Can be coated with various colors

Maximizing your applications

- Aboveground applications
- Oil pipeline
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Outdoor surfaces
- Structures
- Irregular shapes
- Nuts and bolts
- Field joints

SURFACE PREPARATION

Minimum St 2 (by hand tool)

Surface profile is not required

PACKING

MV40-0510 12 rolls per carton

MV40-1010 6 rolls per carton

MV40-2010 3 rolls per carton

STORAGE

Storage Temperature Less than 40 °C

Shelf Life 8 years

DIMENSIONS (mm x m x mm)

MV40-0510 50 x 10 x 1.0

MV40-1010 100 x 10 x 1.0

MV40-2010 200 x 10 x 1.0

PROPERTIES

Color	Light Blue
Application	Aboveground
Thickness (mm)	≥ 1.3
Density (g/cm ³)	1.3 to 1.6
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
Adhesion test (23 °C)	0,3 N/mm, ≥ 95% coverage
Lap shear (23 °C)	0,02N/mm ² , coverage ≥ 95%
Resistance to Impact	≥ 5J
Salt Spray (500 hours)	Pass
UV Resistance	≥85%
Cathodic disbondment	No holiday or disbondment



Stretchable self-healing viscoelastic coating for aboveground applications

mv42 is a stretchable, non-woven, fabric-backed, non-crystalline viscoelastic coating for corrosion prevention and sealing in aboveground 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. This self-healing coating does not cure, and it is fully compatible with cathodic protection systems.

Maximizing your benefits

Viscoelastic material

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

Surface tolerant

Excellent wetting properties with the best penetration into the substrate

Self-healing properties

Self-healing of small dents, voids, and cracks

Safety to use

There are no chemical reactions or vapors produced

Maximizing your applications

- Aboveground applications
- Oil pipeline
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Outdoor surfaces
- Structures
- Conform irregular shapes
- Nuts and bolts
- Field joints

PROPERTIES

Color	Light Blue
Application	Aboveground
Thickness (mm)	≥ 1.0
Density (g/cm ³)	1.3 to 1.6
Temperature range (°C)	-45 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)	0,2 N/mm, ≥ 95% coverage
Lap shear (23 °C)	0,02N/mm ² , coverage ≥ 95%
Salt Spray (500 hours)	Pass
UV Resistance	≥85%
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

MV42-1008 6 rolls per carton

MV42-2008 3 rolls per carton

DIMENSIONS (mm x m x mm)

MV42-1008 100 x 8 x 1.3

MV42-2008 200 x 8 x 1.3



Paintable viscoelastic coating for aboveground tank chime applications

mv50 is a paintable, non-crystalline, and fiber-reinforced viscoelastic polymer for corrosion prevention and sealing of your aboveground tank chime applications. This flexible viscoelastic coating is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces where heavy pitting exists. maxvisco 50 can be coated to protect the storage tank edge.

Maximizing your benefits

Viscoelastic material

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

Does not harden and has no pot-life limitations

No curing or waiting time, ready for immediate service

Self-healing properties

Designed to self-heal to provide superior protection against corrosion

Paintable

Can be coated with various colors

Maximizing your applications

- Tank chimes
- Aboveground applications
- Oil pipeline
- Gas pipeline
- Valves and flanges
- Areas with heavy pitting
- Structures
- Irregular shapes
- Nuts and bolts
- Field joints

PROPERTIES

Color	Light Blue
Application	Aboveground
Thickness (mm)	≥ 1.8
Density (g/cm ³)	1.3 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
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

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

MV50-0510	12 rolls per carton
MV50-1010	6 rolls per carton
MV50-2010	2 rolls per carton
MV50-2020	2 rolls per carton

DIMENSIONS (mm x m x mm)

MV50-0510	50 x 10 x 1.8
MV50-1010	100 x 10 x 1.8
MV50-2010	200 x 10 x 1.8
MV50-2020	200 x 20 x 1.8



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



Stretchable viscoelastic coating for subsea and condensing applications

mv90 is a stretchable, non-woven, fabric-backed, non-crystalline self-healing viscoelastic coating for immersion applications. This stretchable viscoelastic coating is the primary layer of maxvisco's two-layer corrosion prevention system and can be applied on condensing or submerged ferrous and non-ferrous surfaces without the need to dry the surface.

Maximizing your benefits

Viscoelastic material

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

Fast and easy to apply

Does not require special tools for application

No cathodic disbondment

Cathodic Protection of steel structures is not affected

Excellent impact and indentation resistance

Resists to damages that may occur during installation and backfilling

Maximizing your applications

- Subsea applications
- Wet surfaces
- Condensed surfaces
- Submerged surfaces
- Splash zones applications
- Pipelines
- Structures
- Irregular shapes
- Valves and flanges
- Nuts and bolts

PROPERTIES

Color	Brown
Application	Underwater
Thickness (mm)	≥ 3.2
Density (g/cm ³)	1.2 to 1.5
Temperature range (°C)	-20 to +50
Glass transition temperature (°C)	≤ -50

TESTS

Complies to ISO 21809-3	Yes
Crystallization temperature	no crystallization
Drip resistance (T _{max} + 20 °C)	no dripping (48 hours)
Lap shear (23 °C)	0,04N/mm ² , coverage ≥ 95%
Resistance to NaCl (3%)	No changes
Electrical Insulation	≥ 10 ⁸ Ω·m ²
Resistance to Impact	≥ 15J
Resistance to Fresh Water	Pass
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

MV90-1057 6 rolls per carton

MV90-2057 2 rolls per carton

DIMENSIONS (mm x m x mm)

MV90-1057 100 x 5.7 x 3.2

MV90-2057 200 x 5.7 x 3.2

