

**Guardian Visco-Elastic HT95 Tape** is a wraparound corrosion protective coating consisting of a modified and reinforced Visco-elastic adhesive applied onto a polyethylene carrier film.

**Guardian Visco-Elastic HT95 Tape** can be used for the coating of pipes, coating of risers, coating of flanges, coating of manholes, coating of valves, coating of offshore risers and pillars, underwater coating of risers, coating of welded sockets, repair of all type of coatings, sealing of pipe and cable conduits, sealing of tank chimes, sealing of pipe casing.

## BENEFITS

- Saves time, without preheat and applying epoxy primer
- Super bonding to PE, PP FBE and AE
- Superior cathodic disbandment offers the optimum barrier long term protection against corrosion.
- Long shelf-life with 2 year, under correct storage condition.
- Self-healing ability when slightly damaged due to plastic-elastic properties.
- Impermeable to water and oxygen.

## APPLICATION

Compatible Line Coating	PE, PP, FBE, PU, Coal tar, Bitumen
Soil Stress Restrictions	None
Max Operating Temperature	95°C
Environment Temperature Range	-50°C - 70°C

## ORDERING INFORMATION

Example: Visco-Elastic HT95 Tape 50mm – 10m/1.8mm	
50mm	Width of Viscowrap tape
10m	Length of Viscowrap tape
2.0m	Thickness of Viscowrap tape

## PACKAGING

Part No.	Width	Length	Thickness
FGCS0096	50mm	10m	2.0mm
FGCS0097	100mm	10m	2.0mm
FGCS0098	150mm	10m	2.0mm

Other sizes are available on an indent basis.

## SHELF LIFE

**Service Life** : More than 30 years Normal  
**Packing** : Carton (Maximum 45kg)



## PROPERTIES

Property	Test Method
Color	Green
Thickness	>2.0mm (ISO 4593:1993)
Density	1.4-1.6g/cm <sup>3</sup> (DIN 53479)
Glass Transition Temperature	<-35°C (ASTM E 1356-03)
Material State	Solid
Yield Point	Yes (ISO 3219)
Water Vapor Permeability	<4*10 <sup>-4</sup> g/day/m <sup>2</sup> /Pa (ASTM E 96)
Water Absorption	<0.03% (ISO 62)
Water Penetration	<0.14% (1800 hrs, 6V, 3% NaCl) (ASTM G9-87)
Dissipation Factor	<0.15 (1500 hrs, 20kHz) (ASTM G9-98)
Temperature Range	
Operation Temperature:	-50°C to +95°C
Short term Maximum:	95°C
During Application	0°C to +80°C
Surface Resistivity	>10 <sup>15</sup> Ohm.m <sup>2</sup> (ASTM D257-07)
Volume Resistivity	>10 <sup>13</sup> Ohm.cm (ASTM D257-07)
Dielectric Strength	>18KV/mm (ASTM D149-09)
Impact Strength	>15J(Immediate) (EN12068:1998 Annex H) >18J(Self-healing, 72 Hours)
Indentation	No holidays (EN12068:1998 Annex G)
Cathodic Disbandment	<3mm (ASTM G8-96) Self healing (ISO 21809)
UV/Weather Cycle Test	Excellent, rating 10 (ASTM D4578, 1000 Hours)
Wet Adhesion Test	Excellent (CSA Z245-20-06 Sec.12.14)
Flexibility	No cracking (CSA Z245-20-06 Sec 12.11)
Chemical Resistance in Aggressive Soils (Sulfuric acid 30%, Nitric acid 10%, Phosphoric acid 20%, Chloric acid 10%)	Excellent No Deterioration, 72 Hours at 95°F No corrosion, 72 Hours at 95°F
Smoke and Flame Spread	Class A Flame spread O, smoke 25 (system includes stainless steel foil) (ASTM E84)
Pore Resistance	Rp0/Rp1 < 1.5 (EIS Spectroscopy)
Peel Adhesion	Cohesive Fracture (ASTM D1000)

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