

### CYCT FVT95 Viscoelastic Tape

FVT95 Viscoelastic Tape is an amorphous, apolar, visco-elastic, semi-solid, polyolefin coating with a paintable backing for corrosion prevention of underground and aboveground substrates. It is part of the Viscoelastic coating system which consists of a corrosion protective sealant or mastic covered by the mechanical protective outer layer and Epoxy coating, if required. This coating system offers exceptional corrosion prevention and waterproofing for a variety of substrates.

#### Features:

- Simple surface preparation and directly applied on steel,PE,PP,FBewith out primer.
- Impermeable to moisture and gases
- Compatible to 3LPE,CTE-coating and asphalt.
- Excellent impermeability to water and oxygen.
- Perfect chemical resistance.
- Self-healing for general coating defects.
- Inert material, no deterioration over time
- Resistant to aggressive soil conditions such as water, acid, salts, or soil organics
- Contains no solvents, no carcinogens, non-toxic, non-flammable
- Flexible, pliable, conforms to irregular shapes easily
- Ability to fill voids and anomalies of substrate
- Applicable temperature -45°C~95°C.
- Controllable construction quality and seldom affected by environment and operator skill.
- An eco-friendly material to be stored for a long time.
- Meets ISO 21809-3:2016

#### Properties

Prop erty	Test temp	Unit	Requirements	CYCT Value	Test Method
	23°C	mm	≥Specified minimum value	1.8	Annex B
Minimum thickness Glass transition tem pe rat ur e	-	°C	At least 20°C below minimum application tem pe rat ur e	≤-56°C	ISO 11357-2
Crystallization temperature	-	°C	No evidence of crystallization	No evidence of crystallization	ISO 11357-3
Holiday detection at 5 kV/ mm + 5 kV, max. 25 kV	-	--	no holiday	no holiday	Annex C
Drip Resistance	115 °C	--	No Dropping of	No Dropping of	Annex K
Adhesion test of reinforced compound with respect to	23°C		≥0.04 compound Cohesive separation	0.40 compound Cohesive separation	

steel and to plant coating		95°C		mode ≥0.02 Coverage ≥95%	0.05	mode Coverage >95%	Annex H (and M.3 and Annex I)
Adhesion test of reinforced compound with respect to steel and to plant coating after thermal ageing, for 100 days at T <sub>max</sub> + 20 °C		23°C	N/mm	≥0.04	Cohesive separation mode Coverage ≥95%	0.38	
		95°C		≥0.02		0.04	
Adhesion test of reinforced compound with respect to steel and to plant coating after hot-water immersion, for 100 days at T <sub>max</sub> + 20 °C		23°C	N/mm	≥0.04	Cohesive separation mode Coverage ≥95%	0.35	
		95°C		≥0.02		0.04	
Lap shear resistance		23°C	N/mm <sup>2</sup>	≥0.004	Cohesive separation mode Coverage ≥95%	0.04	
		95°C		≥0.002		0.003	
Specific electrical insulation resistance	RS100	23°C	Ω·m <sup>2</sup>	≥10 <sup>8</sup> ≥0.8 <sup>a</sup>	1.0x10 <sup>11</sup> 0.90		Annex F
	RS100/R S70						
Complete coating							
Impact resistance		23°C	J	≥15	>15		Annex D
Indentation resistance	FJC Type	23 °C and 95°C	N/mm <sup>2</sup>	13A	13A-3		Annex E
	Test pressure			1.0	1.0		
	Residual thickness			mm	≥0.6		
Cathodic disbondment resistance at 28 days		23 °C and 95°C	mm	0 mm, no holiday	0 mm, no holiday		Annex G (and Annex C and 13.5.7)

## Specification

Tape Thickness: 1.3mm/1.5mm /1.8mm / 2.0 mm  
Tape Width: 100mm or according to your requirements  
Tape Length: 10 m/Roll or according to your requirements.

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