

VISCOTAQ[®] PVC Outer wrap

Product data sheet

Product description

VISCOTAQ PVC Outer Wrap is a Heavy Duty PVC in the form of a roll. The tape is used as an Outer Wrap for the mechanical protection of VISCOTAQ products against soil stress, back fill procedures and other forms of mechanical impact. Furthermore, it provides a continuous external pressure to the VISCOTAQ corrosion prevention inner material and accelerates the process of the formation of a homologue continuous inner coating. VISCOTAQ PVC Outer Wrap is produced from a High Quality PVC with an excellent resistance to chemicals and is wrapped with a 50% overlap onto the VISCOTAQ corrosion prevention coating. The material is applied onto the substrate by hand or by means of a tape wrap machine.



General information

VISCOTAQ is a unique viscous-elastic non crystalline a-polar polyolefin for the protection of shaped and non-shaped substrates. VISCOTAQ offers the pipeline industry an unrivaled technology when it comes to corrosion prevention. Unlike other coatings VISCOTAQ always has a permanent and intimate contact with the surface of a substrate. The viscosity and elasticity modulus of the material are designed in such a way that the viscosity modulus provides permanent wetting characteristics hence forcing the material to flow into the pores and anomalies of the substrates whereas the elasticity modulus provides the strength and elasticity of a solid.

Use and application

- As a mechanical outer wrap up to surface temperatures of +80° C/+176° F
- Continuous operating temperature up to +80° C/+176° F
- Application temperature by preference -10° C/+14° F to +71° C/+160° F

Features

- Self adhesive PVC Outer Wrap
- Service temperature range -30° C/-22° F up to +80° C/+176° F
- Standard thickness 0,50 mm/20 mil (also available in 0.25 mm/10 mil + 0.40 mm/15 mil)
- Overlap 50%
- Extremely flexible
- High aging resistance
- UV resistant
- Strong adhesion to VISCOWRAP Inner Wrap
- Application by hand or machine
- Cold application, no open fire
- Excellent impact resistance
- Excellent abrasive resistance
- Standard color: black

Measurement	Method	Value
Color Backing	Black	ISO 9001
Color adhesive	Black	ISO 9001
Thickness	0,5 mm +/- 0,0127 mm	ISO 4593
Temperature range in service	-30 C up to +80 C	ISO 9001
Temperature range short term	+85 C	ISO 9001
Temperature range application	-10 C up to +71 C	ISO 9001
Peel strength to wrapping band	>0,4 N/mm	ISO 21809 -3 , 2014 Annex M
Peel strength layer to layer	>0,75 N/mm	ISO 21809-3, 2014 Annex M
Tensile strength	> 15 kg/25 mm	ASTM D638
UV resistance	Excellent	ASTM D4587
Flame retardant properties	Self extinguishing	ASTM D-1000
Elongation at break	>350% >441%	PSTC 131 ASTM D638
Thermal aging resistance	Excellent	ASTM D4587
Moisture absorption	< 0,03 % for total system (inner +outer)	ISO 62
Dielectric strength	>15 kV Only relevant for inner wrap or total system (inner +outer). Total system is >17,5 kV /mm thickness	ASTM D149
Standard lengths	5 m, 10 m, 20 m, 30 m ,40 m	ISO 9001
	<ul style="list-style-type: none"> • 50 mm ** • 78,1 mm (master rolls are 1250 mm, officially supplied by Viscotaq as 75 mm) • 125 mm • 208,3 mm (master rolls are 1250 mm, officially supplied by Viscotaq as 200 mm) • 401,6 mm (master rolls are 1250 mm officially supplied by Viscotaq as 400 mm) 	

Clean sizes 75, 100, 200 and 400 mm are available

Testing was performed by Charter Coating Service Laboratories, Calgary, Canada. Charter Coating is an ISO17025 certified laboratory. Copies of reports are available upon request.

For further information please contact:

Invented and produced in the USA



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