

STOPAQ® OUTERWRAP PVC-F

Product Information

Product description: Stopaq® Outerwrap PVC-F is a highly flexible polyvinyl chloride tape, coated with a modified pressure sensitive rubber resin adhesive. It is very well suited for application on small diameter pipes and fittings, and for application in situations where only limited access to the pipes and fittings is available. It provides mechanical protection of corrosion preventing coating systems such as Stopaq® Wrappingband and is well suited for underground and submerged applications. The heavy-duty adhesive layer provides a good adhesion to the outer surface of the Stopaq® Wrappingband as well as to its own backing. The Outerwrap has good resistance to impacts, indentations and abrasion, as well as resistance against the influences from alkalis and acids.

Features:

- Highly flexible Outerwrap tape
- Easy to apply, even in situations with limited access to pipes and fittings
- Cold applied.
- Good conformability.
- Good adhesion to Stopaq® Wrappingband as well as to its own backing.
- REACH compliant, does not contain Substances of Very High Concern (SVHC).

Benefits:

- Very suitable for manual application
- Easy to stretch and to apply
- Provides good mechanical protection of Stopaq® corrosion prevention products.
- Resists impacts and indentations which may occur during installation and backfilling.
- High resistance to ageing, even when exposed to maximum or minimum temperature for longer periods of time.

Application examples

Pipes: Mechanical protection of Stopaq® corrosion preventing coating systems applied on metal pipeline structures.

Pipe fittings: Mechanical protection of Stopaq® corrosion preventing coating systems applied on metal pipe fittings like elbows, bends, tees, reducers and flanges.

Product properties of Stopaq® Outerwrap PVC-F

Colour	Black	
Thickness	Backing:	0.29 ± 0.0029 mm
	Total:	0.30 ± 0.03 mm
Temperature ranges	Service:	- 45 °C to +50 °C
	Short term max.:	+70 °C
Tensile strength	≥ 2.5 N/mm ^{B)}	
Elongation at break	≥ 400 % ^{B)}	
Peel strength layer to layer	@ 23°C: ≥ 0.2 N/mm ^{A)}	
Peel strength to backing of Stopaq® Wrappingband CZ	@ 23°C: ≥ 0.2 N/mm ^{A)}	
Properties of coating system comprising Stopaq® Wrappingband CZ and Stopaq® Outerwrap PVC-F		
Total thickness	2.4 – 2.6 mm	
Self-healing test	Self-healing of an artificial defect of Ø 6 mm:	
	- @ +23 °C:	no holiday (≤ 24 hr.)
	- @ +50 °C:	no holiday (≤ 24 hr.)
Impact resistance	≥ 7J, no holiday ^{A)}	

A) According to ISO 21809-3 Amendment 1 (2011)

B) According to ISO 527-1

General order information

Product	Stopaq® Outerwrap PVC-F is available in rolls, wound on cardboard cores, packed in cardboard boxes:	
	Art. Nr.:	Product dimensions and contents:
	1128-01000	35mm x 10m; 60 pcs/box; 2880 pcs/pallet
	1123	50mm x 10m; 96 pcs/box; 2688 pcs/pallet
Handling	Handle with care. Keep boxes upright.	
Storage	Store indoor, clean and dry, away from direct sunlight in a cool place below +40°C. Unlimited shelf life.	

Application instruction: Job preparation	
Tools, equipment and auxiliaries	Scissors, knife and measuring tape
Additional coating materials	Stopaq® Outerwrap PVC-F is applied as part of a coating system that consists of other Stopaq® coating materials, e.g. Stopaq® Wrappingband CZ and Stopaq® Paste CZ. Additional mechanical protective materials may be applied also, e.g. Stopaq® Polyester or Stopaq® Outerglass Shield XT.
High humidity	Stopaq® Outerwrap PVC-F can be applied in a humid atmosphere. The substrate should be free from condensing water which can be reached by keeping the temperature at least 3°C above dew point.
Work area and substrate	The substrate should be dry, clean and protected against negative weather influences.
Product conditions	Stopaq® Outerwrap PVC-F should be dry and the temperature should preferably be between 0°C and +30°C for the ease of application.

Application instruction: Brief version	
General	See specific application instructions available at Stopaq b.v. for wrapping of pipes, field joints, fittings, etc.
Example - Pipe wrapping	<p>Horizontal pipelines should be wrapped circumferentially from left-to-right or from right-to-left. Pipelines positioned with an angle deviating from horizontal should be wrapped from bottom to top (e.g. with risers).</p> <p>In general Stopaq® Outerwrap PVC-F should be applied with tension by gently pulling the roll of material, unless stated otherwise in specific application instructions.</p> <p>Start wrapping Outerwrap PVC-F with two full circumferential wraps perpendicular to the pipe, leaving 3 mm of the previously applied Stopaq® Wrappingband visible at the boundary.</p> <p>After the first circumferential wrap, consecutive wraps should have an overlap of ≥ 50%, which can be obtained by slanted and spiral application of Outerwrap PVC-F.</p> <p>Be careful not to create any air enclosures. Avoid tenting and bridging.</p> <p>Continue slanted wrapping until reaching the boundary of the area to be coated, leaving 3 mm of the previously applied Stopaq® Wrappingband visible at the boundary.</p> <p>When more than one roll of Outerwrap PVC-F is needed to continue wrapping, an overlap on the end of the previously applied Outerwrap PVC-F should be created of at least 100 mm.</p> <p>End wrapping with two full circumferential wraps perpendicular to the pipe. End with a quarter circumferential wrap of Outerwrap PVC-F without tension. In case of wrapping on horizontal pipes, the tape end should face downwards ending at 3 o'clock position. Cut off in a tie-form.</p> <p>The applied Outerwrap PVC-F must look smooth and tight and should be shaped around all details and into corners.</p>

Handling and commissioning	
Exposure to loads	Objects coated with Stopaq® coating systems should not be exposed to loads e.g. from supports- or lifting equipment.
Immersion or burying	Immersion or burying is possible immediately after completion of the coating application. Consult data sheets for specific instructions of additional materials used. Backfill and compact with clean sand and filling material without sharp stones or hard lumps of soil.

Information	
Documentation	Extensive information is available on our website. Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending email to info@stopaq.com
Certified staff	Application of the described coating system should be carried out by certified personnel.



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