

## STOPAQ® WRAPPING TAPE SYSTEM

### Product Information

**Generic type:** Low temperature, cold-applied, non-crosslinked, non-crystalline prefabricated monolithic viscous polymer wrap coating with cold flow, self-healing, visco-elastic properties, fitted with an EPDM backing. Stopaq® Wrapping Tape System is a non-toxic wrap material adhering extremely well to steel and pipeline coatings like PE, PP, FBE. It is fully resistant to water and has a very low gas- and water vapor permeability.

**Product description:** Stopaq® Wrapping Tape System is always viscous at the indicated temperatures of use (cold flow) and therefore flows into all irregularities on the steel surface. Stopaq® Wrapping Tape System has high impact and indentation resistance due to the flexible and rigid EPDM backing.

#### Features:

- Cold flow providing permanent inflow into the finest pores of the substrate
- High temperature resistance
- Conforms to any shape
- Low surface tension; adheres on all dry substrates at a molecular level
- Surface tolerant: no grit-blasting, only wire brushing or hand tool cleaning required
- Constant film thickness
- Adhesion based on van der Waals forces
- Chemically stable
- Inert and amorphous

#### Benefits:

- Harmless to environment and workers
- Fast and easy to apply
- Easy to control during application
- Can be moulded onto irregular shaped objects
- No osmosis or creep of water/soil underneath

### Application examples

**Piping & Vessels:** Underground carbon steel pipelines structures and reservoirs.

**Repair coating:** Rehabilitation and repair of existing coating systems.

### Product properties Stopaq® product

<b>Colour</b>	Green (corrosion preventing compound) with grey backing (EPDM)
<b>Thickness</b>	1.5 mm ± 10%
<b>Density</b>	1.4 – 1.6 g/cm <sup>3</sup>
<b>Temperature ranges</b>	Operational temp.: -45°C up to +70°C Application temp. substrate: -30°C up to +50°C Product application temp.: +5°C up to +50°C
<b>Adhesion</b>	Tested at 23°C and 70°C (EN 12068) No adhesive failure. (C-Steel, PE, PP and FBE: residual protective layer: > 0.5mm).
<b>Peel test</b>	Cohesive fracture
<b>Impact resistance</b>	≥ 15 J (EN 12068)
<b>Indentation resistance</b>	≥ 15 J (EN 12068)
<b>Hardness</b>	60 ± 10 shore A
<b>Tensile strength</b>	≥ 7 MPa
<b>Elongation</b>	≥ 250 %

### General order information

<b>Product</b>	Stopaq Wrapping Tape System is available in rolls of various widths and lengths: 50mm x 10m; 12 rolls/box; 360 roll/pellet 100mm x 10m; 6 rolls/box; 180 rolls/pellet 200mm x 20m; 2 rolls/box; 96 rolls/pellet 300mm x 10m; 2 rolls/box; 80 rolls pellet
<b>Handling</b>	Handle with care. Keep rolls upright
<b>Storage</b>	Store in a cool, dry and clean place, away from direct sunlight and below 45°C. Unlimited shelf life.

Application instruction: Preparation		Post application instructions	
<b>Tools and equipment</b>	Temperature probe, Dew point tester, 20 kV holiday tester, Scissors, Knife, Measuring tape, Abrasion pad.	<b>Visual inspection</b>	The applied Wrapping Tape System must look smooth and tight and should be shaped around all details and into corners.
<b>Ambient conditions</b>	Wrapping Tape System can be applied in a humid atmosphere. The substrate to be covered should be heated to at least 3°C above the dew point. The work area and substrate should be protected against negative weather influences.	<b>Inspection by holiday testing</b>	Immediately after application, holiday testing can be carried out with a voltage of 5 kV/mm + 5 kV. A brush probe is recommended.
<b>Product conditions</b>	The Wrapping Tape System should be dry and the temperature must be within the indicated product application temperature for the ease of handling and shaping.	<b>Bringing into service</b>	Bringing into service is possible immediately after completion of the coating application. The areas coated with Stopaq® materials should not be exposed to loads, e.g. from supports, lifting equipment, etc.
		<b>Backfilling</b>	Backfill and compact with clean sand or filling material without sharp stones or hard lumps.

Application instruction: Surface preparation	
<b>General</b>	The area to be coated has to be clean, dry, and free from oil, grease and dust. All contamination including mill-scale has to be removed.
<b>Degreasing</b>	Degrease surfaces with isopropanol.
<b>Salts and Bacteria</b>	No need for additional cleaning.
<b>Condensation of water</b>	Prior to and during the application, the temperature of the substrate(s) must be at least 3°C above the dew point to avoid condensation of water.
<b>Steel</b>	Minimal requirement for surface preparation is ST-2 according to ISO 8501-1. Roughness profile is not essential for adhesion.
<b>Other substrates</b>	De-gloss and degrease the surfaces by using an abrasive pad and preferably isopropyl alcohol for proper adhesion.
<b>Final inspection</b>	The substrates prepared for coating, should be clean, dry and free of dust according to ISO 8502-3, grade 3.

Application instruction: Brief version	
<b>Wrapping</b>	Start with removal of a small part of the release liner and apply the Wrapping Tape System on the substrate. Apply with some tension, but be careful not to overstretch. Avoid air-enclosures. Mould the Wrapping Tape System tight onto the substrate surfaces.
<b>Release foil</b>	Do not remove the release foil completely before application of the Wrapping Tape System. Remove only at the moment of adhesion of the Wrapping Tape System to the surface.
<b>Overlap of wraps</b>	Side-by-side overlap: ≥ 20 mm Consecutive rolls: ≥ 100 mm
<b>Spiral wrapping</b>	Start with one full circumferential wrap perpendicular to the pipe. Continue wrapping slanted and spirally, thereby creating an overlap of ≥ 20 mm. End with one full circumferential wrap perpendicular to the pipe.

STOPAQ® information and warranty	
<b>Documentation</b>	Extensive information is available on our website. Application instructions, "Stopaq® Technical Standard" and other documentation can be obtained from our head office, from our local distributor or by email to <a href="mailto:info@stopaq.com">info@stopaq.com</a>
<b>Certified staff</b>	The application of Stopaq® coating system should always be carried out by certified personnel.



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