

STOPAQ[®] OUTERWRAP HTPP

Product Information

Generic type: High temperature resistant vulcanizing polymeric tape, coated with a special modified adhesive which can be used at temperatures at which most adhesives soften.

Product Description: STOPAQ[®] Outerwrap HTPP is used for high temperature resistant mechanical protection of the corrosion protective system for high temperature pipelines, STOPAQ[®] Wrappingband CZHT. The Outer Wrap HTPP provides up to 120°C max. operating temperature protection. As the pipe is heated, the medium inside the pipe heats the protection system, causing additional vulcanization of the Outerwrap HTPP, allowing for the increased strength required for performance under high temperature use.

Features:

- Easy to apply; manually
- Cold applied
- Good conformability to any shape
- Good adhesion to STOPAQ[®] Wrappingband CZHT as well as to its own backing
- Excellent soil stress resistance,
- High temperature range for service
- Suitable for aggressive soil conditions

Benefits:

- Extremely well suited for hand application
- Easy to stretch and to apply for protection of STOPAQ[®] corrosion protected irregular shapes, such as valves, flanges, bends and tee's
- Resists impacts and indentations which may occur during installation and backfilling
- Very high resistance to ageing - even when exposed to max or min temperature for longer periods of time

Application examples for mechanical protection of:

Piping: STOPAQ[®] corrosion protected carbon underground high temperature carbon steel pipelines (underground, immersed) such as flow lines, joints, fittings, tees and small diameter applications.

Small diameter Field Joints: STOPAQ[®] corrosion protected field-weld joints of pipelines, on-shore.

Product Properties_STOPAQ[®] Outerwrap HTPP

Colour	Black (matt finish)
Thickness	Total: 0,76mm (ASTM D1000) Backing: 0,38mm Adhesive: 0,38mm
Temperature Range	Application -30°C to +50°C Service -30°C to +120°C Max.
Adhesive strength to backing	7,1 Kg/10mm (ASTM D1000)
Dielectric strength	>25Kv (ASTM D149)
Impact	3,8Nm (ASTM G-14)
Tensile strength	> 5 kg/10mm (ASTM D1000)
Elongation	> 300% (ASTM D1000)
Water absorption	0,08%

Product Properties_STOPAQ[®] Outerwrap HTPP on STOPAQ[®] Wrappingband CZHT

Total Thickness	3,3mm - 3,7mm (ISO 9001)
Impact resistance	Tested at 15 J (EN 12068) at +23°C: no holidays (after 5 min.) at +70°C: no holidays (after 120 min.)
Indentation resistance	10N/mm ² (EN 12068) at 23°C, no holidays (after 5 min.) at 70°C, no holidays (after 120 min.)

General Order Information

Product	STOPAQ [®] Outerwrap HTPP s available in rolls of 100 and 150mm in 30m lengths
Packaging	Coiled on cardboard cores. Packed in cardboard boxes.
Handling	Handle with care, keep the box always upright.
Storage	Indoor, dry and clean. Storage temperature not above 40°C for a long shelf-life.

Application instruction_Preparation

Application equipment Scissors, knife, and measuring tape.

High humidity STOPAQ® Outerwrap HTPP can be applied in a humid atmosphere that does not reach the dew point.

Work area and substrate The work area and application surface should be dry and clean and protected against negative weather influences.

Tape conditions STOPAQ® Outerwrap HTPP should be dry and have a temperature of min. 10°C - 30°C for the ease of handling and shaping.

Application instruction_Short cut

Wrapping The STOPAQ® Outerwrap HTPP must be applied with little TENSION.

Start the wrapping with one full circumferential wrap. Leave 3mm of STOPAQ® CZHT visible. Then follow with spiral wrapping with minimum 50% overlap. Avoid air-enclosures.

End-overlap circumferential, Outer Wrap on Outer Wrap: minimum 300mm.

Finish the wrapping 3mm inside the STOPAQ® Wrappingband CZH with two straight, TENSIONLESS circumferential wrappings. Cut the tape end in a 45° angle at the downwards side with the longest tip pointing in the direction of the wrapped part.

Application instruction_Final steps

Visual inspection The applied Outer Wrap must look smooth and tight and should be shaped around all details and into corners.

Bringing into service

Bringing into service Backfilling is possible immediately after completion of the coating application. The STOPAQ® coated, Outer Wrap protected areas should not be exposed to loads from supports and lifting equipment

Backfilling Backfill with clean sand without sharp stones or hard lumps of soil.

Soil Stress Resistance For improved Soil stress Resistance in case of expected axial, circumferential pipe movements and soil movements, it is recommend to apply an extra mechanical protection system: STOPAQ® Soil Stress Catching System consisting of 3 special layers of PP high temperature resistant Geotextiles.

STOPAQ® Information and Guarantee

Documentation Extensive information is available on our web-site. Detailed application instructions, "STOPAQ® Technical Standard" can be acquired from our head office and/or local distributor; info@stopaq.com

Certified staff The application of STOPAQ® coating systems should always be carried out by certified personnel



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