



TECHNICAL DATA SHEET

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	Revision: 003
	Date: 01/08/2001
	Replaces: 01/01/2001
	Printing date: 26/02/2003

1. Identification of the product

1.1 Commercial product name: STOPAQ® WRAPPINGBAND CZ H/STOPAQ COAT WRAP CZ HT

2. Technical Data

STOPAQ® WRAPPINGBAND CZ H is a coating in wrap form for above/underground use in hot countries, where ambient temperatures exceed 33°C for more than 4 consecutive weeks. STOPAQ® is used to protect components or objects from environmental effects. Examples of such components include, couplings, flanges, lifting lugs, thermite welds, flanges on the detachable shafts of aboveground tank systems, pipelines and pipe joints.

The application of the wrappingband protects the object from contact with water and oxygen and therefore prevents corrosion.

STOPAQ® WRAPPINGBAND CZ H is a one-component synthetic polymer system .

No shelf life

No additional safety measures necessary

No special requirements for transportation

Non toxic, no harmful influence to environment

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2.1 Properties

PROPERTY	VALUE	TESTPROCEDURE
Temperature range when applied	15 °C - +85 °C	
Shorttime exposure	125 °C	
Temperature range for use	-10 °C - +85 °C	
Shorttime use	125 °C	
Thickness	> 1.8 mm	SQL(*), ISO 9001
Hardness	57 points, Shore A	ASTM D 2240
Water absorption	0.57%	ASTM D 570
Cathodic Disbonding (damage hole 6.4 mm (1/4 sqinch))	6.35 mm (25 °C) 9.90 mm (50 °C)	ASTM G 95, ASTM G8, EN 12068
Impact Resistance	16 J	ASTM G14, EN 12068
Indentation Resistance	> 10 N/mm ² (30 °C, 50 °C)	EN 12068 / DIN 30672
Specific Electric Insulation Resistance	> 10 ¹² ohm.cm	EN 12068
Peel Strength (10 mm/min)	> 1.0 N/mm ² (cohesive break)	DIN 30670 EN 12068
Shear Strength	> 0.05 N/mm ² (cohesive break)	ASTM D1002 EN 12068
Salt Spray Test (720 hr, 5% NaCl)	No corrosion	ASTM B117
Water permeability	< 83.7 g/m ² Atmospheric: 0 g/m ²	(37.8 °C, 100% humidity, 90 days), Government University of Groningen
Oxygen Permeability	123.1 cc/m ² /day Atmospheric: 0 g/m ²	Government University of Groningen (100% oxygen)
Saponification Value	0.55 mg KOH/g sample	EN 12068 annex L
Irradiation by UV	No changes (17.5 GJ)	Government University of Groningen
Vitrification Temperature	-10 °C	ISO 3219

* SQL stands for Standard Quality Control according to ISO 9001

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3. Application Procedure

Surface preparation grade of St 2 Swedish Standard is required. This requirement refers to surfaces of hot-rolled steel. Prior to treatment the steel surface has been cleaned of dirt and moisture, is dry, that the heavier layers of rust have been removed by chipping and 'bad' sections have been repaired according to the user's standards.

Treatment consists of thorough scraping and wire-brushing (machine brushing / grinding). The treatment shall remove loose mill scale, rust and foreign matter. Finally, the surface is cleaned with a vacuum cleaner, clean **dry** compressed air or a clean brush. It should then have a faint metallic sheen (**no** anchor pattern is required).

Chloride contamination of the surface is of no importance, so washing the substrate (with any kind of solution) prior to the application of the STOPAQ® WRAPPINGBAND CZ H is not required.

Areas of scale and laminations should be removed by blast cleaning as these areas can not be prepared adequately by hand or power tool cleaning.

The STOPAQ® corrosion preventative system can be applied in a humid atmosphere that does not reach the dew point and thus creates condensation on the substrate.

STOPAQ® WRAPPINGBAND CZ H should be applied **without tension**, rather in a relaxed way, making sure all the time the STOPAQ® WRAPPINGBAND CZ H is adhering to the total circumference of the substrate surface. Proper application of STOPAQ® WRAPPINGBAND CZ H requires a 1 cm. overlap, regardless of the width of the STOPAQ® WRAPPINGBAND CZ H.

STOPAQ® WRAPPINGBAND CZ H is mechanically protected by STOPAQ® PVC Outerwrap Tape. This to be applied subsequent to the application of STOPAQ® WRAPPINGBAND CZ H.

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