STOPAQ® WRAPPINGBAND EZHT

Product Information

Product description: Stopaq® Wrappingband EZHT is a non-crosslinked, non-crystalline, monolithic, viscous polymer based, prefabricated patch and wrap coating with cold flow, self-healing, visco-elastic properties that is specifically designed for high temperature applications.

Stopaq® Wrappingband EZHT is a unique, cost-effective product intended to be used for a wide range of applications where water ingress and/or corrosion is a problem. Stopaq® Wrappingband EZHT is easy to install offering excellent sealing and corrosion preventing properties. The material contains a reinforcement fibre mesh and has a greyish polyester non-woven fibre top layer that allows for immediate (UV-reflective) painting or coating after installation. Stopaq® Wrappingband EZHT shows excellent adhesion properties without extensive surface pre-treatment to various substrates like steel, PE, PP, epoxy-coatings, and polyurethane. The material does not cure and can be cold-applied. The product offers a long-term performance in e.g. commercial, residential, utilities, telecommunications, transportation, electrical, water, wastewater, agricultural, and industrial uses.

Stopaq® Wrappingband EZHT can be coated with several types of top-coatings, e.g. 2-component coatings like polysiloxanes, epoxies or polyurethanes, or 1-component coatings like waterborne acrylics.

Features:

- Controlled cold flow providing permanent inflow into the finest pores of the substrate
- High temperature resistance
- Conforms to irregular shapes
- Low surface tension; adheres on many types of dry substrates at a molecular level
- Adhesion based on vanderWaals forces
- Surface tolerant: no blasting techniques required, wire brushing is sufficient (ISO 8501-1: St 2)
- Constant film thickness
- Inert to ageing and weathering
- Resistant to many chemicals like water, salts, acids, alkalis, polar solvents, etc. For additional information, please consult Stopaq B.V.

Benefits:

- Environmentally friendly, no health and safety hazards to humans
- Fast and easy to apply
- Easy to control application
- Can be moulded onto various types of irregular shaped objects
- No osmosis or underfilm migration of moisture
- Guaranteed performance

Application examples

Steel constructions: As a primary layer for corrosion prevention of structural steel.

Pipelines and fittings : As a primary layer for protection against external corrosion of carbon steel, alloyed steel and ductile iron pipes and fittings like elbows, bends, tees, reducers, and flanges.

Product properties of Stopaq® Wrappingband EZHT	
Colour	Green
Thickness	2.0 mm ± 10%
Density	1.5 ± 0.1 g/cm³ (ISO 1183-1)
Temperature ranges	Operational: - 45°C to + 95°C Short term: + 115°C
Water absorption	< 0.03% (ASTM D570) (compound only, not for backing)
Drip resistance	Tested 48h@+145°C *): No dripping of compound
Peel test	Tested on steel (St 2 / St 3) and coatings like PP and FBE at +23°C and +95°C*). Results on all substrates: – Cohesive failure, no evidence of adhesive failure – ≥ 95% coverage of surface Coating leaves a film of corrosion preventive compound on the substrate.

*) According to ISO 21809-3:2008/Amendment 1:2011

General order information	
Product	Stopaq® Wrappingband EZHT is available in rolls of various widths and lengths: Product dimensions and contents: 100mm x 10m; 6 pcs/box; 180 pcs/pallet 200mm x 10m; 2 pcs/box; 96 pcs/pallet 300mm x 10m; 2 pcs/box; 80 pcs/pallet Other sizes on request.
Handling	Handle with care. Keep boxes upright.
Storage	Store indoor, clean and dry, away from direct sunlight in a cool place below +45°C. Unlimited shelf life.

Application instruction: Job preparation

Tools, equipment and auxiliaries	– Temperature probe, Dew point tester, High voltage holiday tester – Scissors, Knife, Measuring tape, Steel seam-roller – Abrading pads, Wire brushes – Isopropyl alcohol, cas. nr. 67-63-0 – Personal protective gear
Additional coating materials	Depending on the situation, various coatings may be applied on top e.g.: – 1-component waterborne acrylic paint – 2-component polysiloxanes, 2-component polyurethanes or 2-component epoxies Consult Stopaq b.v. for further information.
High humidity	Stopaq® Wrappingband EZHT 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 surface should be dry, clean and protected against negative weather influences.
Product conditions	Stopaq® Wrappingband EZHT should be dry and the temperature should preferably be between +30°C and +50°C for the ease of application.

Application instruction: Surface preparation

General	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.
Degreasing	Degrease surfaces with isopropyl alcohol and e.g. a lint-free cloth.
Salts and bacteria	No need for additional cleaning.
Preventing condensation of water	Prior to and during the application, the temperature of the substrate(s) must be at least 3°C above the dew point.
Substrate temperature	Temperature of the substrate should not be beyond -30°C and +95°C, and should preferably be between +30°C and +50°C for the ease of application. Preheating may be required.
Steel	Minimum requirement for surface preparation is St 2 according to ISO 8501-1. Roughness profile is not essential for adhesion.
Other substrates	De-gloss and degrease the surfaces by using an abrasive pad and isopropyl alcohol.
Cleanliness check	Take a piece of Wrappingband of ± 150 mm length, remove the release foil and fold it back for about 25 mm. Put the Wrappingband onto the surface, press it firmly and leave it for 5 minutes. Pull the Wrappingband from the substrate with an angle of app. 135 deg. and a speed of 100 mm/min. Cohesive fracture should occur and coverage of the surface with remaining material should be ≥ 85%. If this is less, surface cleaning is insufficient.

Application instruction: Brief version

See specific Stopaq coating instructions for e.g. beams, profiles, flat surfaces, pipelines and fittings, etc.

Patching	Start with removal of a small part of the release liner and apply the Wrappingband onto the substrate. Apply Wrappingband without any tension onto the substrate. Avoid air-enclosures. Mould the Wrappingband tight onto the substrate surfaces. The use of a steel seam-roller will promote proper adhesion.
Release foil	Do not remove the release foil before application of the Wrappingband. Remove just prior to application of the Wrappingband onto the surface.
Overlap of patches	Side-by-side overlap: ≥ 10 mm Consecutive rolls: ≥ 50 mm Use a steel seam-roller to ensure proper adhesion at overlaps.

Application instruction: Quality control

Visual inspection	The appearance of Stopaq® Wrappingband EZHT must look smooth and tight and should be shaped around all details and into corners.
Holiday detection	In case of application onto conductive substrates like steel, holiday testing can be carried out with a voltage of 5 kV + 5kV/mm immediately after application of Stopaq® Wrappingband EZHT. A brush probe is recommended. No further testing is required.

Application instruction: Top-coatings

Application	Stopaq® Wrappingband EZHT can be over-coated immediately after application. Please consult Stopaq b.v. for further information.

Handling and commisioning

Exposure to loads	Objects coated with Stopaq® Wrappingband EZHT should not be exposed to loads e.g. from supports- or lifting equipment.
Commissioning	Commissioning is possible immediately after completion of the coating application. Consult data sheets for specific instructions of additional materials used.

Information

Documentation	Extensive information is available on our web-site. Application instructions and other documentation can be obtained by sending email to **info@cpgi.kz**
Certified staff	Application of the described coating system should be carried out by certified personnel.
Stopaq® performance	Extensive laboratory tests and more than 10 years of service in extreme wet and chemical aggressive environments have proven that corrosion, bacterial growth or stress corrosion cracking cannot develop on substrates coated with Stopaq® coating systems.

SEALFORLIFE Industries
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