

STOPAQ® WRAPPINGBAND EZR

Product Information

Product description: Stopaq® Wrappingband EZR is a unique, cost-effective product intended to be used for a wide range of structural applications where water ingress and/or corrosion is a problem. Stopaq® Wrappingband EZR 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 EZR shows excellent adhesion properties without extensive surface pre-treatment to various substrates like steel, PE, PP, epoxy, polyurethane, PVC, etc. The material does not cure and can be cold-applied.

Stopaq® Wrappingband EZR is engineered for use in many sealing applications against the ingress of water and for use in corrosion preventing application. The product offers a long-term performance in e.g. commercial, residential, utilities, telecommunications, transportation, electrical, water, wastewater, agricultural, and industrial uses.

Stopaq® Wrappingband EZR 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
- Resistance to low temperatures without getting brittle
- Conforms to irregular shapes
- Low surface tension; adheres on many types of dry substrates at a molecular level
- Surface tolerant: no blasting techniques required, wire brushing is sufficient (ISO 8501-1: St 2)
- Constant film thickness
- Adhesion based on vanderWaals forces
- Amorphous, non-crystalline polymer compound
- 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 steel constructions like I-beams, poles, etc.

Product properties Stopaq® Wrappingband EZR

Colour	Green
Thickness	1.4 mm ± 10%
Density	1.5 ± 0.1 g/cm ³ (NEN 1833)
Temperature ranges	Operation: - 45°C to + 70°C Short term max.: + 85°C Substrate during application: - 30°C to + 50°C
Water absorption	< 0.03% (ASTM D570) (compound only, not for backing)
Drip resistance	Tested 72h@+130°C *): No dripping of compound
Peel test	Tested on steel (Sa 2½, St 2 and St 3) and coatings like PP, PE and FBE at +23°C and +70°C *). Results on all substrates: – Cohesive failure, no evidence of adhesive failure – ≥ 95% coverage of surface

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

General order information

Product	Stopaq® Wrappingband EZR is available in rolls of various widths and lengths: <u>Product dimensions and contents:</u> 300mm x 10m; 2 pcs/box; 80 pcs/pallet Other sizes on request.
Art. Nr.: 6426	
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	<ul style="list-style-type: none"> – 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 top-coatings	Depending on the situation, various coatings may be applied on top e.g.: <ul style="list-style-type: none"> – 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 EZR 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 surface should be dry, clean and protected against negative weather influences.
Product conditions	Stopaq® Wrappingband EZR should be dry and the temperature should preferably be between +20°C and +40°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, dust and loose coating remainders. 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.
Condensation of water	Prior to and during the application, the temperature of the substrate(s) must be at least 3°C above dew point.
Substrate temperature	Temperature of the substrate should preferably be between +20°C and +40°C. 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.
Final control	The substrates prepared for coating, should be clean, dry and free of dust according to ISO 8502-3, grade 3.

Application instruction: Brief version	
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.
Specific coating applications	See specific Stopaq coating instructions for e.g. beams, profiles, flat surfaces, roof tops, etc.

Application instruction: Quality control	
Visual inspection	The appearance of Stopaq® Wrappingband EZR 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 EZR. A brush probe is recommended. No further testing is required.

Application instruction: Top-coatings	
Application	Stopaq® Wrappingband EZR can be over-coated immediately after application. Please consult Stopaq b.v. for further information.

Handling and commissioning	
Exposure to loads	Objects coated with Stopaq® Wrappingband EZR should not be exposed to loads e.g. from supports- or lifting equipment.

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@sealforlife.com
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.



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