

STOPAQ® BASECOAT H

Product Information

Product description: Stopaq® Basecoat H is a unique, cost-effective product that can be used for a wide range of structures where water ingress and/or corrosion under atmospheric conditions is a problem. Stopaq® Basecoat is easy to install offering excellent corrosion preventing properties. The material has a non-woven fibre top layer that allows for immediate painting or coating after installation. The product offers a long-term performance in e.g. commercial, residential, utilities, telecommunications, transportation, electrical, water, wastewater, agricultural, and industrial uses.

Stopaq® Basecoat H is a non-toxic, cold-applied, prefabricated patch coating, based on a compound containing non-crystalline, low-viscosity, non-crosslinked (fully amorphous), pure homopolymer Polyisobutene. It has excellent adhesion to bare metal and to substrates like PE, PP, and coated steel. It is fully resistant to water and has a very low gas- and water vapour permeability. Stopaq® Basecoat H is viscous at the indicated operating temperatures and, due to its liquid nature, flows into all irregularities of the substrate. The compound does not cure and is unable to build up internal stress.

Stopaq® Basecoat should be coated with Stopaq® EZ Topcoat. For information about compatibility with other types of top-coatings, please consult Stopaq B.V.

Features:

- Controlled cold flow providing inflow into the finest pores of the substrate
- Low surface tension; adheres on many types of dry substrates at a molecular level
- Adhesion based on vanderWaals forces
- Surface tolerant – e.g. for steel substrates blasting techniques are not required, wire brushing is sufficient (ISO 8501-1: St 2)
- Resistance to low temperatures without getting brittle
- Constant film thickness
- No osmosis or underfilm migration of water
- 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 field application

Application examples

Steel constructions: As a primary layer for corrosion prevention of steel constructions like I-beams, U-beams and tubular shapes.

Product properties of Stopaq® Basecoat H

Colour	Green
Thickness	1.0 ± 0.1 mm
Density	1.5 ± 0.1 g/cm ³ (ISO 1183-1)
Temperature ranges	Operational: -45°C to +70°C Short term: +90°C
Glass transition temperature	≤ - 65°C ^{A)}
Drip resistance	Tested 72h@+130°C ^{A)} – No dripping of compound
Adhesion	To steel (Sa 2½, St 3, St 2) and coatings like PE, PP, PU, Epoxies and Neoprene ^{A)} – Cohesive separation mode, coating leaves a film of compound on the substrate.
Resistance to thermal ageing and hot water immersion	Tested for 100 days at Tmax+20°C (+90°C) ^{A)} – No change in adhesion properties; cohesive separation mode, coating leaves a film of compound on the substrate.

^{A)} ISO 21809-3:2016, coating type 13

General order information

Product	Stopaq® Basecoat is available in rolls of various widths and lengths: Art. Nr.: <u>Product dimensions and contents:</u> 100mm x 10m, 6 rolls/box, 180 rolls/pallet 200mm x 20m, 2 rolls/box, 96 rolls/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	<ul style="list-style-type: none"> – Temperature probe, Dew point tester, High voltage holiday tester – Scissors, Knife, Measuring tape, Steel seam-roller – Abrasive pads, Wire brushes – SFL® Substrate Cleaner. Alternatively Isopropyl alcohol (cas. nr. 67-63-0) – Personal protective gear
Additional coating materials	Stopaq® EZ Topcoat. Consult Stopaq B.V. for alternate types of topcoats.
High humidity	Stopaq® Basecoat H 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 should be dry, clean and protected against negative weather influences.
Product conditions	Stopaq® Basecoat H 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 loosely attached old coating. All contamination - including mill-scale often present at metallic substrates - has to be removed.
Degreasing	Degrease surfaces with SFL® Substrate Cleaner (or isopropyl alcohol) and e.g. a lint-free cloth.
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 preferably be at least +20°C for fast and easy application. Preheating may be required.
Steel and other metals	Minimum requirement is St 2 according to ISO 8501-1. Mill-scale has to be removed from metallic substrates. Roughness profile is not essential for adhesion.
Coated substrates	De-gloss and degrease the surfaces by using an abrasive pad and preferably isopropyl alcohol for proper adhesion. Check existing coating for proper adhesion (see "Cleanliness Check"). When adhesion is insufficient, the existing may be incompatible with Stopaq® Basecoat H. Removing existing coating to bare metal may solve adhesion issues.
Cleanliness check	Take a piece of Stopaq® Basecoat of ± 150 mm length, remove the release foil and fold the band back for about 25 mm. Put the Stopaq® Basecoat onto the appropriately pre-treated surface, press it firmly and leave it for 5 minutes. Pull the Stopaq® Basecoat 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 preparation is insufficient.
Final inspection	The substrates prepared for coating should be clean, dry and free of dust according to ISO 8502-3, grade 3.

Application instruction – Brief version	
See specific Stopaq coating instructions for e.g. field joints, pipe wrapping, coating repair, fittings, etc.	
Removal of release liner	Remove the release liner just prior to the moment of adhesion of the Stopaq® Basecoat to the substrate, such to avoid contamination of the adhesive surface of the product and to avoid unintended premature adhesion to the substrate.
Patching	Start with removal of a small part of the release liner and put the Stopaq® Basecoat onto the substrate. Continue with removal of small lengths of release liner immediately followed by adhesion to the substrate. Slight tensioning is allowed when wrapping around tubular objects, but avoid tensioning when patching onto e.g. flat substrates. Avoid air-enclosures. Mould the Stopaq® Basecoat tight onto the substrate surfaces.
Overlap of patches	Side-by-side overlap: ≥ 10 mm Use a steel seam-roller to ensure proper adhesion at overlaps.

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

Application instruction: Top-coatings	
Application	Stopaq® Basecoat H can be over-coated immediately after application. Please contact Stopaq B.V. for further information.

Handling and commissioning	
Exposure to loads	Objects coated with Stopaq® Basecoat H should not be exposed to loads e.g. from supports- or lifting equipment.
Commissioning	Immersion or burying is possible immediately after completion of the coating application. Consult data sheets for specific instructions of additional materials used. Backfill and compact with clean sand and filling material without sharp stones or hard lumps of soil.

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@stopaq.com
Certified staff	Application of the described coating system should be carried out by certified personnel.

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DISCLAIMER: Seal For Life Industries warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Seal For Life Industries' written instructions. Because many installation factors are beyond the control of Seal For Life Industries, the user shall determine the suitability of the products for the intended uses and assume all risks and liabilities in connection herewith. Seal For Life's liability is stated in its General Terms and Conditions of Sale. Seal For Life Industries makes no other warranty either express or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product. Seal For Life Industries is a registered marks of the Berry Global Group, Inc. or its affiliates.