

## STOPAQ® BASECOAT HT

### Product Information

**Product description:** Stopaq® Basecoat HT is a unique, cost-effective product that can be used on a wide range of structures for protection against corrosion, and is especially designed for high temperature applications. Stopaq® Basecoat HT is easy to install offering excellent corrosion preventing properties. The material has a non-woven fabric 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 HT 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 HT 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 HT 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
- Resistant to high temperatures
- Inert to ageing and weathering
- 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)
- Constant film thickness
- No osmosis or underfilm migration of water
- 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:** For protection against atmospheric corrosion of steel constructions like beams and tubular shapes.

### Product properties of Stopaq® Basecoat HT

<b>Colour</b>	Green
<b>Thickness</b>	1.0 ± 0.1 mm [40 ± 4 mils]
<b>Density</b>	1.5 ± 0.1 g/cm <sup>3</sup> [12.5 ± 0.8 lbs/gal] (ISO 1183-1)
<b>Temperature ranges</b>	Operational: -45°C to +95°C [-49°F to 203°F] Short term: +120°C [+248°F]
<b>Glass transition temperature</b>	≤ - 65°C [-85°F] (ISO 11357-2)
<b>Crystallization temperature</b>	No evidence of crystallization in temperature range of -100°C to +190°C [-148°F to +374°F] (ISO 11357-3)
<b>Drip resistance</b>	Tested 48h@+145°C <sup>A)</sup> : – No dripping of compound
<b>Adhesion</b>	To steel (Sa 2½, St 3, St 2) and coatings like PP and Epoxies <sup>A)</sup> : – Cohesive separation mode, coating leaves a film of compound on the substrate.
<b>Resistance to thermal ageing</b>	Tested for 100 days at +115°C <sup>A)</sup> : – No change in adhesion properties; cohesive separation mode, coating leaves a film of compound on the substrate.

<sup>A)</sup> ISO 21809-3:2016, coating type 13

### General order information

<b>Product</b>	Stopaq® Basecoat HT is available in rolls of various widths and lengths:
<b>Art. Nr.:</b>	<u>Product dimensions and contents:</u> 100mm x 15m, 6 rolls/box, 180 rolls/pallet 200mm x 20m, 2 rolls/box, 96 rolls/pallet Other sizes on request.
<b>Handling</b>	Handle with care. Keep boxes upright.
<b>Storage</b>	Store indoor, clean and dry, away from direct sunlight in a cool place below +45°C. Unlimited shelf life.

Application instruction - Job preparation	
<b>Tools, equipment and auxiliaries</b>	<ul style="list-style-type: none"> <li>– Temperature probe, Dew point tester, High voltage holiday tester</li> <li>– Scissors, Knife, Measuring tape, Steel seam-roller</li> <li>– Abrasive pads, Wire brushes</li> <li>– SFL® Cleaning Wipes, SFL® Substrate Cleaner. Alternatively Isopropyl alcohol (cas. nr. 67-63-0) can be used.</li> <li>– Personal protective gear</li> </ul>
<b>Additional coating materials</b>	Stopaq® EZ Topcoat. Consult Stopaq B.V. for alternate types of topcoats.
<b>High humidity</b>	Stopaq® Basecoat HT 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 [6°F] above dew point.
<b>Work area and substrate</b>	The substrate should be dry, clean and protected against negative weather influences.
<b>Product conditions</b>	Stopaq® Basecoat HT should be dry and the temperature should preferably be between +20°C and +50°C [+68°F and +104°F] for the ease of application.

Application instruction - Surface preparation	
<b>General</b>	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.
<b>Degreasing</b>	Degrease surfaces with SFL® Cleaning Wipes, SFL® Substrate Cleaner, or alternatively isopropyl alcohol and e.g. a lint-free cloth.
<b>Preventing condensation of water</b>	Prior to and during the application, the temperature of the substrate(s) must be at least 3°C [6°F] above the dew point.
<b>Substrate temperature</b>	Temperature of the substrate should preferably be +30°C [+86°F] or more for fast and easy application. Preheating may be required.
<b>Steel and other metals</b>	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.
<b>Coated substrates</b>	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 HT. Removing existing coating to bare metal may solve adhesion issues.
<b>Cleanliness check</b>	Take a piece of Basecoat of ± 150 mm [6"] length, remove the release foil and fold it back for about 25 mm [1"]. Put the Basecoat onto the surface, press it firmly for 5 minutes. Pull the Basecoat from the substrate with an angle of app. 135 deg. and a speed of 100 mm/min [4"/min]. Cohesive separation should occur and coverage of the surface with remaining material should be ≥ 95%. If this is less, surface cleaning is insufficient. Note: at too low substrate temperatures this test may not be successful. Preheat the substrate to adequate temperature and repeat the test.

Application instruction – Brief version	
See specific Stopaq coating instructions for e.g. patch application, pipe wrapping, etc..	
<b>Removal of release liner</b>	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.
<b>Patch application</b>	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 surfaces. The use of a steel roller will enhance adhesion
<b>Overlap of patches</b>	Side-by-side overlap: ≥ 10 mm Use a steel seam-roller to ensure proper adhesion at overlaps.
<b>Visual inspection</b>	The appearance of Stopaq® Basecoat HT must look smooth and tight and should be shaped around all details and into corners.
<b>Holiday detection</b>	In case of application onto conductive substrates like steel, holiday testing can be carried out using a brush probe with a voltage of 5 kV + 5kV/mm immediately after application of Stopaq® Basecoat HT.

Application instruction - Top-coating	
<b>Application</b>	Stopaq® Basecoat HT can be over-coated immediately after application. Please contact Stopaq B.V. for further information.

Handling and commissioning	
<b>Exposure to loads</b>	Objects coated with Stopaq® Basecoat HT should not be exposed to loads e.g. from supports- or lifting equipment.
<b>Immersion or burying</b>	Commissioning is possible immediately after completion of the coating application. Consult data sheets for specific instructions of additional materials used.

Information	
<b>Documentation</b>	Extensive information is available on our web-site. Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending email to <a href="mailto:info@stopaq.com">info@stopaq.com</a>
<b>Certified staff</b>	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.