

## STOPAQ® BASECOAT

### Product Information

**Product description:** Stopaq® Basecoat is a unique, cost-effective product that can be used for a wide range of structures for protection against corrosion, and is especially designed for low temperature applications. Stopaq® Basecoat is easy to install offering excellent corrosion preventing properties. The material has a non-woven top layer that allows for immediate 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 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 and coated steel. It is fully resistant to water and has a very low gas- and water vapour permeability. Stopaq® Basecoat 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
- Resistant to low temperatures without getting brittle
- 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
- Inert to ageing and weathering
- 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:

- Safe to use. No physical, health or environmental hazards.
- Fast and easy field application, even at low ambient and substrate temperatures
- Can be moulded onto various types of irregular shaped objects

### Application examples

**Steel structures:** For protection against atmospheric corrosion of steel structures like beams and tubular shaped objects.

### Product properties of Stopaq® Basecoat

<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 +50 °C [-49 °F to 122 °F] Short term: +70 °C [158 °F]
<b>Glass transition temperature</b>	≤ - 65 °C [-85 °F] <sup>A)</sup>
<b>Crystallization temperature</b>	In range -100 °C to +190 °C [-148 °F to +374 °F] <sup>A)</sup> : – No evidence of crystallization or melting point.
<b>Drip resistance</b>	Tested 48h @ +130 °C [+266 °F] <sup>A)</sup> : – No dripping of compound
<b>Adhesion</b>	Peel tests on carbon steel (Sa 2½, St 3, and St 2) and coatings like PP, PE, and Epoxies <sup>A)</sup> . Results on all substrates: – Cohesive separation, no evidence of adhesive failure – ≥ 95% coverage of surface
<b>Resistance to thermal ageing</b>	Tested for 100 days at +70 °C [158 °F] <sup>A)</sup> : – No change in adhesion properties; cohesive separation mode, coating leaves a film of compound on the substrate.

<sup>A)</sup> Tested in accordance with methods as described in ISO 21809-3:2016

### General order information

<b>Product</b>	Stopaq® Basecoat is available in rolls of various widths and lengths
<b>Art. Nr.:</b>	<b>Product dimensions and contents:</b>
6841-01500	100 mm x 15 m [4 in x 49 ft], 6 rolls/box
6843-02000	200 mm x 20 m [8 in x 65 ft], 2 rolls/box
6844-01500	300 mm x 15 m [12 in x 49 ft], 2 rolls/box
<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 +35 °C [95 °F]. 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 roller</li> <li>– Abrasive cleaning pads, Wire brushes</li> <li>– SFL™ Cleaning Wipes, SFL™ Substrate Cleaner, or Isopropyl alcohol, cas. nr. 67-63-0</li> <li>– Personal protective gear</li> </ul>
<b>Top coats</b>	Stopaq® EZ Topcoat is recommended for use with Stopaq® Basecoat. Other types of topcoats may be used, please consult Stopaq B.V. for further information.
<b>Additional coating materials</b>	Depending on type of application, various additional Stopaq® materials may be required. Please consult Stopaq B.V. for further information.
<b>High humidity</b>	Stopaq® Basecoat can be applied in a humid atmosphere. The substrate must 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 must be dry, clean and protected against negative weather influences.
<b>Product conditions</b>	Stopaq® Basecoat must be dry and the temperature should preferably be above 0 °C [+32 °F] for the ease of application.

Application instruction - Surface preparation	
<b>General</b>	The area to be coated must be clean, dry, and free from oil, grease and dust. All contamination including mill-scale must be removed.
<b>Degreasing</b>	Degrease surfaces with SFL™ Cleaning Wipes, or with SFL™ Substrate Cleaner or Isopropyl alcohol and 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 above 0 °C [+32 °F] for fast and easy application. Preheating may be required.
<b>Carbon Steel</b>	Prepare steel surface to a minimum cleanliness grade of St 2 / St 3 in accordance with ISO 8501-1. A smooth surface is recommended for fast and proper adhesion, a coarse surface profile is not desirable.
<b>Other substrates</b>	De-gloss and degrease the surfaces with SFL™ Cleaning Wipes, or with SFL™ Substrate cleaner or Isopropyl alcohol and an abrasive cleaning pad. Check existing coating for proper adhesion (see "Cleanliness Check"). When adhesion is insufficient, the existing coating may not be compatible with Stopaq® Basecoat and it should then be considered to remove it completely.
<b>Cleanliness check</b>	Take a piece of Stopaq® Basecoat of ± 150 mm [6"] length, remove the release foil and fold it back for about 25 mm [1"]. Put the Stopaq® Basecoat onto the surface, press it firmly and leave it 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 mode should occur and coverage of the surface with remaining material should be ≥ 95%. If this is less, surface preparation is insufficient. At too low substrate temperatures this test may not be successful. Preheat the substrate to preferred temperature and repeat the test.

Application instruction – Brief version	
See specific Stopaq coating instructions for e.g. beams, tubular objects, etc.	
<b>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>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 applying 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</b>	Side-by-side overlap: ≥ 10 mm [3/8"] Use a steel roller to ensure proper adhesion at overlaps.
<b>Visual inspection</b>	The appearance of Stopaq® Basecoat must look smooth and should be shaped tight around all details.
<b>Holiday detection</b>	When applied to conductive substrates like steel, a holiday test can be carried out using a brush probe with a voltage of 5 kV + 5kV/mm immediately after application of Stopaq® Basecoat
<b>Top coat application</b>	After installation and inspection of Stopaq® Basecoat, the recommended top coat can immediately be applied in the recommended dry film thickness.

Handling and commissioning	
<b>Exposure to loads</b>	Objects coated with Stopaq® Basecoat should not be exposed to loads e.g. from supports- or lifting equipment.
<b>Commissioning</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@sealforlife.com">info@sealforlife.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.