

## STOPAQ® BASECOAT

### Product Information

**Product description:** Stopaq® Basecoat 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® Basecoat is easy to install offering excellent corrosion preventing properties. The material has a greyish polyester 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 is a low temperature cold-applied, non-crosslinked, non-crystalline, monolithic viscous polymer based patch coating material with cold flow, visco-elastic properties. It is a non-toxic material adhering extremely well to metals like bare steel 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 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 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. Please contact Seal For Life Industries B.V. for additional information.

#### Features:

- Surface tolerant – e.g. for steel substrates blasting techniques are not required, wire brushing is sufficient (ISO 8501-1: St 2)
- Low surface tension; adheres on many types of dry substrates at a molecular level
- Can be applied in high-humidity atmospheres
- Resistance to low temperatures without getting brittle
- Controlled cold flow providing permanent inflow into the finest pores of the substrate
- Adhesion based on vanderWaals forces
- Conforms to many irregular shapes
- Constant film thickness
- No osmosis or underfilm migration of water
- Inert to ageing and weathering
- Resistant to many chemicals like water, salts, and polar solvents. For additional information, please contact Seal For Life industries B.V.

#### Benefits:

- Environmentally friendly, no health and safety hazards to humans
- Fast and easy to apply at low temperatures
- Easy to control during application
- Can be moulded onto various types of irregular shaped objects

### Application examples

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

### Product properties of Stopaq® Basecoat

<b>Colour</b>	Green
<b>Thickness</b>	1.0 ± 0.1 mm
<b>Density</b>	1.5 ± 0.1 g/cm <sup>3</sup> (ISO 1183-1)
<b>Temperature ranges</b>	Operation: -45°C up to +50°C Substrate during application: -10°C up to +50°C
<b>Water absorption</b>	Basecoat compound: < 0.03% (ASTM D570)
<b>Peel test</b>	Tested at +23°C and +50°C at a rate of 100 mm/min on steel substrate (ASTM D1000): – Cohesive failure, no signs of adhesive failure – Residual corrosion preventing film remaining on substrate, coverage >95%
<b>Thermal ageing resistance and hot water immersion test</b>	Accelerated ageing during 100 days @ +70°C in dry atmosphere and immersed in hot water: Results of peel test after ageing were not affected: cohesive failure, no signs of adhesive failure, and residual corrosion preventing film remaining on substrate.

### General order information

<b>Product</b>	Stopaq® Basecoat is available in rolls of various widths and lengths: <u>Product dimensions and contents:</u> 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 +35°C. Unlimited shelf life.

<b>Application instruction: Job preparation</b>	
<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>– Abrading pads, Wire brushes</li> <li>– Isopropyl alcohol, cas. nr. 67-63-0</li> <li>– Personal protective gear</li> </ul>
<b>Additional coating materials</b>	Depending on the situation, various coatings may be applied on top e.g.: <ul style="list-style-type: none"> <li>– 1-component waterborne acrylic paint</li> <li>– 2-component polysiloxanes, 2-component polyurethanes or 2-component epoxies</li> </ul> Please contact Seal For Life Industries B.V. for further information.
<b>High humidity</b>	Stopaq® Basecoat 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.
<b>Work area and substrate</b>	The substrate surface should be dry, clean and protected against negative weather influences.
<b>Product conditions</b>	Stopaq® Basecoat should be dry and the temperature should preferably be above +5°C for the ease of application.

<b>Application instruction: Surface preparation</b>	
<b>General</b>	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.
<b>Degreasing</b>	Degrease surfaces with isopropyl alcohol and e.g. a lint-free cloth.
<b>Salts and bacteria</b>	No need for additional cleaning.
<b>Preventing condensation of water</b>	Prior to and during the application, the temperature of the substrate(s) must be at least 3°C above dew point.
<b>Substrate temperature</b>	Temperature of the substrate should preferably be between +5°C and +30°C 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 coating should be removed completely.
<b>Polymeric substrates</b>	De-gloss and degrease the surfaces by using an abrasive pad and preferably isopropyl alcohol for proper adhesion. Check substrate for proper adhesion (see "Cleanliness Check"). When adhesion is insufficient, the polymeric substrate may be incompatible with Stopaq® Basecoat.
<b>Cleanliness check</b>	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.
<b>Final inspection</b>	The substrates prepared for coating should be clean, dry and free of dust according to ISO 8502-3, grade 3.

<b>Application instruction: Brief version</b>	
<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>Patching</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 substrate surfaces.
<b>Overlap of patches</b>	Side-by-side overlap: ≥ 10 mm Use a steel seam-roller to ensure proper adhesion at overlaps.
<b>Specific applications</b>	See specific Stopaq® application instructions for e.g. patching applications, etc..

<b>Application instruction: Quality control</b>	
<b>Visual inspection</b>	The appearance of Stopaq® Basecoat 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 with a voltage of 5 kV + 5kV/mm immediately after application of Stopaq® Basecoat. A brush probe is recommended. No further testing is required.

<b>Application instruction: Top-coatings</b>	
<b>Application</b>	Stopaq® Basecoat can be over-coated immediately after application. Please contact Seal For Life Industries B.V. for further information.

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

<b>Information</b>	
<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.



# SEALFORLIFE Industries

PART OF THE BERRY PLASTICS ENGINEERED MATERIALS DIVISION

Anodefex® – Stopaq® – Polyken® – Covalence® – Powercrete®

**SEAL FOR LIFE TECHNOLOGY CENTRE**  
Gasselterstraat 20, 9503 JB Stadskanaal  
the Netherlands  
[www.sealforlife.com](http://www.sealforlife.com)

<b>Seal For Life Industries LLC</b> Houston, TX, USA Tel: +1 713 676 0085 US Toll Free: +1 888 676 7202 Fax: +1 713 676 0086 <a href="mailto:houston@sealforlife.com">houston@sealforlife.com</a>	<b>Seal For Life Industries BV</b> Stadskanaal, the Netherlands Tel: +31 599 696 170 Fax: +31 599 696 177 <a href="mailto:info@sealforlife.com">info@sealforlife.com</a>	<b>Seal For Life Industries</b> Tijuana, Mexico Tel USA +1 858 633 9797 Fax USA: +1 858 633 9740 Tel Mexico: +52 664 647 4397 Fax Mexico: +52 664 607 9105 <a href="mailto:mexico@sealforlife.com">mexico@sealforlife.com</a>
<b>Seal For Life Industries BVBA</b> Westerlo, Belgium Tel: +32 14 722 500 Fax: +32 14 722 570 <a href="mailto:Belgium@sealforlife.com">Belgium@sealforlife.com</a>	<b>Seal For Life Private Ltd.</b> Baroda, India Tel: +91 2667 264 721 Fax: +91 2667 264 724 <a href="mailto:india@sealforlife.com">india@sealforlife.com</a>	

DISCLAIMER: Berry Plastics warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective technical data sheet when used in compliance with Berry Plastics written instructions. Since many installation factors are beyond the control of Berry Plastics, the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions. Please see revision date on the left. Stopaq® is a registered trademark of Berry Plastics Corporation.