

STOPAQ® PASTE SZ

Product Information

Product description: Stopaq® Paste SZ is a corrosion preventing mouldable paste, adhering extremely well to wet surfaces such as immersed bare and coated steel. It is based on a compound containing non-crystalline, low-viscosity, non-crosslinked, (fully amorphous) pure homopolymer Polyisobutene. Stopaq® Paste SZ 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® Paste SZ is used for filling small voids and negative angled structures in combination with Stopaq® coatings applied on wet substrates like Stopaq® Wrappingband CL and Stopaq® Wrappingband SZ. It requires consecutive application of additional mechanical protective layers like Stopaq® Intermediate Wrap PVC and Stopaq® Outerglass Shield XT Grey. This improves impact and indentation resistance of the coating system and ensures adequate performance of the corrosion preventing properties.

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 and wet substrates at a molecular level
- Surface tolerant: no blasting techniques required, wire brushing is sufficient (ISO 8501-1: St 2)
- Adhesion based on vanderWaals forces

Benefits:

- Safe to use. No severe physical, health or environmental hazards
- Fast and easy to apply
- Easy to control application
- Can be moulded onto various types of irregular shaped objects

Application examples

Offshore and submerged structures: For filling of small voids and negative angled structures of steel jetty-piles situated in the splash zone.

Underwater pipe coating repair: For filling of small voids and negative angled structures in pipe coating repair and coating rehabilitation of immersed pipeline coating defects.

Immersed pipeline fittings: For filling of small voids and negative angled structures of immersed steel pipeline fittings like valves, flanges, etc.

Coating repair of sweating pipelines: For filling of small voids and negative angled structures of sweating steel pipelines situated in environments with high relative humidity.

Product properties of Stopaq® Paste SZ

Colour	Dark green
Density	1,4 - 1,5 g/cm ³ [11.7 – 12.6 lb/gal] (ISO 1183-1)
Temperature ranges	Operational -20 to +50 °C [-4 °F to +122 °F] Short term max. +70°C [+158 °F]
Adhesion	Tested ^{A)} at +23 °C and +50 °C [+73 and 122°F] on carbon steel St 2 cleanliness (ISO 8501-1), and plant coating PE and Neoprene, whereby the coating was applied under the following conditions: <ul style="list-style-type: none"> – Dry (no detectable salt residues) – Dry with NaCl contamination approx. 1000 mg/m² – Immersed in fresh water – Immersed in 3% NaCl solution <p>Results on all substrates: Coating leaves a film of compound on the substrate.</p>

^{A)} In accordance with ISO 21809-3:2016 § 13.5.9

General order information

Product	Stopaq® Paste SZ is available in sheets, packed in cardboard boxes: <u>Art. Nr.:</u> 4400
	<u>Product dimensions and contents:</u> 2 kg/sheet; 6 sheets/box; 288 sheets/pallet
Handling	See Safety Data Sheet for specific handling instructions. Handle with care. Keep boxes upright.
Storage	See Safety Data Sheets for specific storage instructions. Store indoor, clean and dry, away from direct sunlight in a cool place below +45 °C [113 °F]. Unlimited shelf life.

Application instruction - Job preparation		Application instruction – Brief version	
General	Underwater application of Stopaq® Paste SZ and additional Stopaq® materials should only be carried out by professional divers certified for application of Stopaq® products.	See specific Stopaq coating instructions for application of Stopaq® Paste SZ e.g. on pipeline fittings like valves, flanges, etc.	
Tools, equipment and auxiliaries	<ul style="list-style-type: none"> – Surface preparation tools like water jetting equipment or power tooled wire brushes – Scissors, Knife, Measuring tape – Personal protective gear and diving gear 	Application	Apply mouldable Stopaq® Paste CZ on the objects and apply pressure in order to affix it to the substrate. Avoid air inclusions and minimize water inclusion. After shaping, the surface should be smooth to enable proper application of additional materials.
Additional coating materials	Specific coating instructions can require one or more of the following additional materials: <ul style="list-style-type: none"> – Stopaq® Wrappingband CL or Stopaq® Wrappingband SZ – Stopaq® Intermediate Wrap PVC – Stopaq® Outerwrap (various types available) – Stopaq® Outerglass Shield XT Grey – Stopaq® Compression Foil Depending on the type of application, the use of other materials may also be required.	Visual inspection	The applied Stopaq® Paste SZ must look smooth and should cover all details with a layer of at least 10 mm thickness.
Application conditions	The ambient, water and substrate temperature during application of the entire coating system must be $\geq +5^{\circ}\text{C}$ [$+41^{\circ}\text{F}$].	Application of additional coating materials	Stopaq® Paste SZ must be protected against impacts, indentations, water pressure and other influences within the shortest period of time possible after finishing application. This is obtained by subsequent application of additional coating materials as per the specific application instruction.
Application instruction - Surface preparation		Handling and commissioning	
General	All substrates must be free from marine growth. Mill-scale, loose rust, loose remainders of old coating, oil, grease and other adhering matter must be removed. Water jetting equipment may be used to obtain a sufficient clean substrate.	Exposure to loads	Objects coated with Stopaq® Paste SZ should not be exposed to loads e.g. from supports- or lifting equipment.
Substrate cleanliness	The entire steel substrate should at least be cleaned to St 2 cleanliness grade (ISO 8501-1). Start and end section of the area to be coated should be thoroughly cleaned to bare steel e.g. by using high pressure water jet cleaning. Roughness profile is not essential for adhesion. Areas with existing coating should be cleaned and de-glossed.	Commissioning	Commissioning is possible immediately after completion of the coating application. Consult data sheets for specific instructions of additional materials used.
		Information	
		Documentation	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 info@sealforlife.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.