

STOPAQ® 4200 FILLER

Product Information

Product description: Stopaq® 4200 Filler is a highly viscous, single component, non-reactive injection filler with corrosion preventative properties. It has a wide service temperature range, excellent adhesion to many types of substrates and penetrates deeply into surface irregularities.

The non-curing, surface tolerant Stopaq® 4200 Filler is designed for filling and protecting hard-to-clean corrosion sensitive areas where water can accumulate. It can be applied in narrow spaces that are difficult to access like gaps between flanges, around bolt threads in bolt holes, tank chime areas and around flange seals.

The material is suited for application with a hand operated, electric or pneumatic injection tool, equipped with a flexible nozzle. It does not cure and is unable to build-up internal stresses. Due to the permanent liquid properties at indicated operational temperatures, Stopaq® 4200 Filler will tend to flow out of the filled voids. Therefore they should be covered with additional Stopaq® materials like Stopaq® Wrappingband and Stopaq® Outerwrap materials. Depending on type of application, additional mechanical protection can be installed like Stopaq® Flangebelt, Stopaq® Outerglass Shield or Stopaq® Polyester.

Features:

- Adheres on many types of dry substrates
- Compatible with various types of coatings like PE, PP, and FBE
- Surface tolerant
- Fills the finest pores of the substrate

Benefits:

- Permanent sealing of spaces that are difficult to access
- Only minor surface preparation required
- No primer required
- Fast and easy to apply by injection tool

Application examples

Flanges: For protection against external corrosion of internal flange surfaces, gaskets, bolts and bolt holes.

Storage tanks – Chime area: Protection of steel surfaces in gaps between the tank skirts and the concrete foundations.

Bolt connections: For protection of bolt threads and shafts in bolt holes (in steel as well as concrete constructions).

Product properties of Stopaq® 4200 Filler

Colour	Green
Density	1,5 g / cm ³ [12.5 lb/gal] (ISO 1183-1)
Temperature range	Operational: -45 to +100 °C [-49 to +212 °F]
Water absorption	≤ 0,1% (ASTM D570 modified)
Adhesion	Adhesion test on steel, PP, PE and FBE: – Cohesive separation mode, no signs of adhesive failure.

General order information

Product	Stopaq® 4200 Filler is available in various packing sizes: <u>Art. Nr.:</u> <u>Product dimensions and contents:</u> 4224 Cartridge 0,62 kg [21.9 oz], 20 pcs/box, 720 pcs/pallet 4225 Tubular bag 2 kg [4.4 lbs], 9 pcs/box, 324 pcs/pallet
Handling	Handle with care. Keep boxes upright. See safety data sheet for further details.
Storage	Store indoor, clean and dry. Storage temperature is not critical. Unlimited shelf life.

Application instruction - Job preparation		Application instruction – Brief version	
Tools, equipment and auxiliaries	<ul style="list-style-type: none"> – Temperature probe, Dew point tester – Injection tool with flexible nozzle – Scissors, Knife, Putty knife, Measuring tape – Abrasive cleaning pads, Wire brushes, Tube brush, Masking tape – SFL™ Cleaning Wipes or Isopropyl alcohol, cas. nr. 67-63-0 – Personal protective gear 	Detailed application instructions are available from Seal For Life Industries.	
Additional coating materials	Depending on type of application, various additional coating materials are needed: <ul style="list-style-type: none"> – Stopaq® Wrappingband (various types available) – Stopaq® Outerwrap (various types available) Optional additional mechanical protection: <ul style="list-style-type: none"> – Stopaq® Outerglass Shield, Stopaq® Polyester or Stopaq® Flangebelt 	Preparing injection tool	Insert a cartridge or tubular bag of Stopaq® 4200 Filler into the injection tool prior to application. Apply the flexible nozzle at the opening of the cartridge.
Work area and substrate	The substrate must be dry, clean and protected against negative weather influences.	Injection	Shape the flexible nozzle in order to fit it into the gap to be filled. Push the nozzle as deep as possible into the gap and start injection of the Stopaq® 4200 Filler. Avoid air inclusions by keeping the tip of the nozzle in contact with already injected Stopaq® 4200 Filler. Gently pull out the nozzle while injecting. When the Stopaq® 4200 Filler becomes visible at the boundaries of the opening, the gap is filled completely.
Product conditions	Stopaq® 4200 Filler must be dry and the temperature should preferably be between +20 °C and +40 °C [68 to 104 °F] for the ease of application.	Levelling and smoothening	Use the putty knife for smoothening the surface and removal of excess filler. If applicable, remove the masking tape afterwards.
Application instruction - Surface preparation		Application of covering materials	Dimensions of additional coating materials should be sufficient to cover at least 50 mm [2"] of the adjacent substrate on all sides of the filled gap. See specific application instructions for further details.
General	The area to be coated must be clean, dry, and free from oil, grease, dust, poorly adhering old coating and loose particles. All contamination including mill-scale must be removed. Several methods are suitable for cleaning purposes e.g. by scraping, wire brushing, high-pressure water jetting, vacuum cleaning, compressed air, etc.	Visual inspection	The Stopaq® 4200 Filler and the coating materials must look smooth and tight and should be shaped around all details and into corners.
Degreasing	Degrease surfaces with SFL™ Cleaning Wipes or Isopropyl alcohol and e.g. a lint-free cloth.	Handling and commissioning	
Substrate temperature	Prior to and during the application, the temperature of the substrate(s) must be at least 3 °C [6 °F] above the dew point. Temperature of the substrate(s) should preferably be between +20 °C and +40 °C [68 to 104 °F] for fast and easy application. Preheating may be required.	Exposure to loads	Objects filled with Stopaq® 4200 Filler should not be exposed to loads e.g. from supports or lifting equipment.
Steel substrates	Clean the surfaces thoroughly by scraping, brushing, vacuum cleaning, etc. and remove loose particles (e.g. corrosion products).	Commissioning	Areas filled with Stopaq® 4200 Filler can be commissioned immediately after installation of additional materials is completed.
Masking	In order to keep surrounding surfaces clean e.g. for application of additional Stopaq® materials, it is recommended to apply masking tape on these surfaces prior to application of Stopaq® 4200 Filler.	Information	
Visual inspection	The surfaces must be clean, dry and free of dust prior to application.	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 materials should be carried out by certified personnel.



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Further information is available on our website www.sealforlife.com, or by sending an inquiry to info@sealforlife.com

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.