

STOPAQ® 4200 FILLER

Product Information

Product description: Stopaq® 4200 Filler is a non-toxic, highly viscous, single component, non-reactive injection filler with corrosion preventing 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 caulking gun, 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 Outerwrap materials. Depending on type of application, additional mechanical protection can be installed like Stopaq® Flangebelt, Stopaq® Outerglass Shield XT Grey, 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:

- Harmless to environment and workers
- Permanent sealing of hard-to-access spaces
- 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 faces, bolt and bolt holes, and gaskets.

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

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| Colour | Green |
| Density | 1.2 – 1.5 g / cm ³ (ISO 1183-1) |
| Temperature range | Operational: -45°C to +100°C |
| Water absorption | ≤ 0.1% (ASTM D570 modified) |
| Adhesion | Adhesion test on steel, PP, PE and FBE: – Cohesive separation mode, no signs of adhesive failure. |
| Salt spray resistance | Tested 720 h, 5% NaCl @ + 85°C (ASTM B117): No corrosion detected |

General order information

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| Product | Stopaq® 4200 Filler is available in various packing sizes: |
| Art. Nr.: | Packing size |
| 4210 | Cartridge 0.53 kg, 20 pcs/box, 720 pcs/pallet |
| 4225 | Bag 2 kg, 9 pcs/box, 324 pcs/pallet |
| Handling | Handle with care. Keep boxes upright. |
| Storage | Store indoor, clean and dry, Storage temperature is not critical. Unlimited shelf life. |

| Application instruction - Job preparation | |
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| Tools, equipment and auxiliaries | <ul style="list-style-type: none"> - Temperature probe, Dew point tester - Caulking gun with flexible nozzle - Scissors, Putty knife, Measuring tape - Abrasive pads, Wire brushes, Tube brush - SFL® Substrate Cleaner. Alternatively Isopropyl alcohol (cas. nr. 67-63-0) - Masking tape - Personal protective gear |
| Additional coating materials | Depending on type of application, various additional materials might be needed: <ul style="list-style-type: none"> - Stopaq® Wrappingband (various types available) - Stopaq® Outerwrap (various types available) - Stopaq® Flangebelt - Optional additional mechanical protection: Stopaq® Outerglass Shield XT Grey or Stopaq® Polyester |
| High humidity | Stopaq® 4200 Filler 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. |
| Work area and substrate | The substrates should be dry, clean and protected against negative weather influences. |
| Product conditions | Stopaq® 4200 Filler should be dry and the temperature should preferably be between +20°C and +40°C for the ease of application. |

| Application instruction - Surface preparation | |
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| General | The area to be coated has to be clean, dry, and free from oil, grease, dust, mill-scale, poorly adhering old coating and loose particles. Several methods are suitable for cleaning purposes e.g. by scraping, wire brushing, high-pressure water jetting, vacuum cleaning, compressed air, etc. |
| Degreasing | Degrease surfaces with SFL® Substrate Cleaner and e.g. a lint-free cloth. |
| Preventing condensation of water | Prior to and during the application, the temperature of the substrate(s) must be at least 3°C above the dew point. |
| Substrate temperature | Temperature of the substrate(s) should preferably be between +20°C and +40°C for fast and easy application. Preheating may be required. |
| Steel substrate | Clean the surfaces thoroughly by scraping, brushing, vacuum cleaning, etc. in order to remove loose particles (e.g. corrosion) as much as possible. |
| 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. |
| Visual inspection | The substrates should be clean, dry and free of dust prior to application. |

| Application instruction - Brief version | |
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| General | Specific instructions are available for various applications of Stopaq® 4200 Filler. Please contact Stopaq B.V. for further information. |
| Caulking gun preparation | Insert a pre-heated cartridge into the caulking gun just prior to application. Apply the flexible nozzle at the opening of the cartridge. |
| 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 4200 Filler. Avoid air enclosures by keeping the tip of the nozzle in contact with already injected 4200 Filler. Gently pull out the nozzle while injecting. When the 4200 Filler becomes visible at the boundaries of the opening, the gap is filled completely. |
| Levelling and smoothening | Use the putty knife for smoothening the surface and removal of excess filler. If applicable, remove the masking tape afterwards. |
| Application of covering materials | Dimensions of covering materials should be sufficient to cover at least 50 mm of the adjacent substrate on all sides of the filled gap. See specific application instructions for further details. |
| Visual inspection | The 4200 Filler and the covering materials must look smooth and tight and should be shaped around all details and into corners. |

| Handling and commissioning | |
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| Exposure to loads | Objects filled with Stopaq® 4200 Filler should not be exposed to loads e.g. from supports- or lifting equipment. |
| Commissioning | Areas filled with Stopaq® 4200 Filler can be commissioned immediately after installation of additional materials is completed. |

| Information | |
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| 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@stopaq.com |
| Certified staff | Application of the described coating system should be carried out by certified personnel. |

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| | Anodefex® - Stopaq® - Polyken® - Covalence® - Powercrete® - Sealtaq® - Blockr® - Easy.Qote® - SynergyQ® - Protecta-mesh® | | | | |

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.