

STOPAQ® CASING FILLER

Product Information

Product description: Stopaq® Casing Filler is the most effective solution for preventing corrosion of steel pipelines in casings. Water and oxygen that normally is expected to be present in a non-filled casing pipe, will cause corrosion of the operational steel pipeline and will also cause internal corrosion of a steel casing pipe. By filling the annulus between the casing pipe and the operational pipe with Stopaq® Casing Filler, water and oxygen will be displaced, thereby ruling out corrosion.

For installation of Stopaq® Casing Filler it needs to be liquefied by heating, followed by pumping it into the casing vent as a hot liquid. As it cools down, it congeals to a pasty consistency. The product does not become hard or brittle, it stays flexible forever and maintains its optimum sealing properties. It can be delivered to the casing job site by heat traced fully equipped Seal For Life Services trailer truck, ranging in volume from 1000 to 25000 litres. It can also be supplied in bulk container or in smaller quantities, packed in IBC's, drums or pails. Stopaq B.V. can also supply tools and heating equipment for these packing sizes.

Once applied, Stopaq® Casing Filler will also prevent any Cathodic Protection current to cause internal corrosion of the casing pipe. The material has high specific electrical insulation resistance which prevents passing of electrical currents.

Superior end-sealing solutions are applied in combination with Stopaq® Casing Filler. This will prevent the ingress of water, oxygen and soil from the casing pipe ends.

The solution is fully compliant with ISO 16440, and is by far superior to other casing filling solutions in the market, providing excellent corrosion preventing properties.

Features:

- Excellent corrosion prevention
- High specific electrical insulation resistance
- Adheres to various types of substrates
- Cathodic Protection systems are not affected
- No chemical curing reactions

Benefits:

- Safe to use. No physical, health or environmental hazards
- Maintenance-free solution
- Fast and easy to apply

Application examples

Casing pipes for road-, rail- or waterway crossings: Filling and sealing of annulus of casings where casing pipe is made of (coated) steel, concrete, polymeric or composite materials, and inner pipe is made of (coated) steel.

Product properties of Stopaq® Casing Filler

Colour	Green
Application temperature	+55 to +80 °C [+131 to +176 °F]
Cone penetration	160 – 180 dmm (ASTM D-937)
Congel point	+50 to +56 °C [+122 to +133 °F] (ASTM D-938)
Drop melting point	+60 to +66 °C [+140 to +151 °F] (ASTM D-127)
Operational temperature	-20 to +35°C [-4 to +95 °F]
Density	0,79 – 0,85 g/cm ³ @ +100 °C [6.6 to 7.1 lb/gal @ +212 °F]
Specific electrical insulation resistance	≥ 10 ⁸ (1E+08) Ω.m ² [10 ⁹ (1E+09) Ω.ft ²] (ISO 21809-3)
Water absorption	≤ 0.05% (ASTM D-570)
Adhesion testing	Leaves a film of corrosion protective material on the substrate (ISO 21809-3)
Salt spray test	720 hr 5% NaCl @ 30°C (ASTM B-117) No corrosion detected

Application instructions

Detailed application instructions are available on request.

Additional materials	For installation of the entire Stopaq Casing Filler system, various additional materials are used, e.g.: – Stopaq® 4100 Putty – Tailor-made Casing End Seals
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General order information

Product	Stopaq® Casing Filler is available in the following quantities: Package and contents: – Truck and trailer on job site: 1000 – 25000 litres [264 – 6600 gal.] – IBC: 1000 litres [264 gal.] – Pail: 8 litres [2.1 gal.]
Handling	Handle with care. Liquefied Casing Filler is hot and may cause burns.
Storage	Store indoor, clean and dry, away from direct sunlight in a cool place below +45 °C [+113 °F]. Unlimited shelf life.

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.