



ALLTER

ALTERNATE
CORROSION
PREVENTION
SYSTEMS



Allter- Casing Filler

PRODUCT DATA SHEET

Selection and Specification Data

Generic Type Non-crystalline pure homopolymer Polyisobutene based filler material.

Product description ALLTER® products and materials are part of GREENHARD's product portfolio. ALLTER® Casing Filler is the effective solution for preventing corrosion of annular spaces such as steel pipelines in casings, tankbottom base etc. Moist, water and oxygen that normally is expected to be present in annular spaces, such as a non-filled casing pipes, tankbottom base, will cause corrosion of the (un)coated steel parts. By filling the annulus ALLTER® Casing Filler, water and oxygen will be displaced, thereby ruling out corrosion.

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

- Maintenance-free solutions.
- Fast and easy to apply.
- Full-service provision.
- Environmentally friendly.
- No health and safety hazards to humans.

Alter-Casing Filler

Product Data

Properties	Test Method	Typical Values
Colour	NA	Turquoise
Application temperature	Temperature probe	+65C - +95C
Cone Penetration	ASTM D-973	160 -180 dmm
Congeval point	ASTM D-938	+50C – +56C
Drop melting point	ASTM D-127	+60C – +66C
Operational Temperature	NA	-20C - + 50C
Density	NA	790 – 850 kg/m3 @ 100C
Specific electrical insulation resistance		$\geq 10^6 \Omega.m^2$
Water absorption	ASTM D-570	$\leq 0,05\%$
Adhesion test	ISO 21809-3	Cohesive fracture
Salt spray test	ASTM B-117	720hr 5% NaCl @ 30C

Substrate Preparation & Installation

General

Before and during the installation of ALLTER® Casing Filler it needs to be ensured the Casing Filler material is liquefied by heating, followed by pumping it into the annular space as a hot liquid. As it cools down, it congeals to a pasty consistency. The ALLTER® Casing Filler product does not become hard or brittle, it stays flexible forever and maintains its optimum sealing properties. It can be delivered to the job site by heat traced fully equipped DUTCHWERK 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.

Additional application tools and equipment can also be supplied by GREENHARD.

Once applied, ALLTER® Casing Filler will also prevent eventually present Cathodic Protection currents. The material has high specific electrical insulation resistance which prevents passing of electrical currents.

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

The solution is by far superior to other casing filling solutions in the market. It combines excellent corrosion preventing properties and visco-elastic behaviour of ALLTER® materials.

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Application Equipment

General Job / project specific application equipment.

Cleanup and Safety Information

Cleanup Dispose of in accordance with local regulations or incinerate.

Safety When installing ALLTER Casing Filler, use personal protective gear.

Packaging, Handling and Storage

Shelf life Unlimited

Storage temperature -20 - 40°C (-4 - 104°F).

Storage To ensure maximum performance, store products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 40°C or below -20°C. Product installation should be done in accordance with local health and safety regulations.

DATE: January 2020

DISCLAIMER: Allter Coatings 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 Allter Coatings written instructions. Since many installation factors are beyond the control of Allter Coatings the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Allter Coatings liability is stated in the standard terms and conditions of sale. Allter Coatings 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. Allter® is a registered trademark.