



ViscoRite GroundQote Spray

PRODUCT DATA SHEET

Selection and Specification Data

Generic Type

Water-borne non-linear fibrous low viscosity non-newtonian polymer coating used for corrosion protection and waterproofing.

Product Description

Allter Groundcoat Spray is a non-hazardous, waterborne non-linear fibrous, non-newtonian bonding coating which can be applied by means of Airless spray or manually by brush or roller. **Allter Groundcoat Spray** is designed for use as a high performance steel protective primer and offers excellent corrosion protection combined with good resistance to aggressive chemicals for above ground substrates to prevent undercreep corrosion. **Allter Groundcoat Spray** has been developed as a sprayable formation to provide a watertight layer after evaporation of water as carrier to steel and other substrates, by various application techniques like Airless spraying. It can be applied to any substrate such as metal, stone, bitumen, EPDM, wood, pvc, and zinc.

Features

- Deep penetrating for bonding and sealing
- Universal applications
- suitable for single layer application
- ability to check for pores / pore detection
- High alkali- acid resistance
- excellent impermeability for water
- High dielectric strength
- molecular bond to steel
- thixotropic
- inert and harmless once dried

Color

Off white when fresh applied, transparent when “dry”.

Volume Solids

Depending on type, 25% - 75%

Allter-ViscoRite™ GroundQote Spray

VOC	0 g/l (0 lbs/gal)
Temperature Resistance	-30 up to +75°C (-4 up to 122°F)
Topcoats	ALLTER waterbased EPDM emulsion, 100% Solids elastomeric type coatings.

Substrate and Surface Preparation

General	Remove all dirt, grease, mill scale, loose rust and any other contaminants that can reduce adhesion according SSPC-SP1. Recommended substrate preparation as listed below.
Carbon steel, Cast Iron and coated steel	Minimum substrate preparation St2/St3/SSPC-SP2/SP3. A specific surface profile (Rz) is not required.
PE and PP	Minimum St2/St3 (SSPC-SP2/SP3). A specific surface profile (Rz) is not required.
Stainless steel and non-ferrous metals	Minimum St2/St3 (SSPC-SP2/SP3). A specific surface profile (Rz) is not required.
Galvanized steel	Remove corrosion deposits when present according to minimum St2/St3/SSPC-SP2/SP3.

Mixing and Thinning

Mixing	No mixing. Ready to use material. Shake or stir before use
Thinning	No thinning. Ready to use material.

Application & Equipment

General	This material can be simply applied by Airless spray, brush or roller.
Application	Nominal approx. 175 microns DFT; maximum thickness approx. 350 microns – minimum 150 microns
Consumption	Depending on type, 1,4m ² /ltr. – 4.2m ² /ltr. (Not considered loss due to overspray spillage).

Allter-ViscoRite™ GroundQuote Spray

Technical data

Mixing ratio	None
Density (20°C)	approx. 0.93 g/ml
Volume solids	approx. 60 % by weight
Viscosity (23°C) Brookfield (50rpm, LV-62)	300-600
All above values are approximate and may be used as a guideline for specifications	

Details for application

Pot life (100 g at 23°C / 60°C)	None, diluted with softened and demineralized water
Substrate temperature	minimum 10°C up to approx. 40°C
Material temperature	Above 10°C till 70°C
Maximum relative humidity of air	95 %
Dew point - substrate temperature	minimum +3°C above dew point
Duration to overcoat with itself	instantly
Drying time before topcoat	20 minutes at 23°C ambient
Drying time before topcoat	10 minutes at 40°C ambient
Transparent Allter Groundcoat layer indicates sufficient drying time before applying topcoat.	

Airless application Recommended for bigger areas, pipes, flanges valves etc. Prior to application the surface must be dry and properly cleaned. A closed white film indicates sufficient coverage and layer thickness.	Equipment cleaning Between spray cycles the equipment can be cleaned / washed by using warm demineralized soft water. After use, Allter Groundcoat residue can be removed from the equipment by use of hydrocarbon solvents. (At all times consult manufacturers manual)
Manual application Recommended for small areas, repairs or to precoat edges, only. Minor defects and faults can be repaired by hand using the same material. Prior to application the surface must be prepared by grinding and cleaning. For manual application, minor repairs, use a brush and apply in one direction only.	Tool cleaning Between application cycles the tools can be cleaned / washed by using warm demineralized soft water. After use, Allter Groundcoat residue can be removed from the tools by use of hydrocarbon solvents.
The a. m. information are recommendations only and may be adjusted depending on the conditions of the object.	

Cleanup and Safety Information

Cleanup NR

Safety This does not contain any hazardous ingredients. See SDS for specific information.

Allter-ViscoRite™ GroundQote Spray

Packaging, Handling and Storage

Shelf life Unlimited at 23°C (73°F)

Storage temperature and humidity 4 - 50°C (39-122°F).
85%.

Packaging 1 / 2 / 5 / 20kg drums. 1000Ltr IBC.

Storage Material should be stored indoors, clean and dry, kept away from direct sunlight.

Flash point (ISO 1523) NR

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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.