

## PRODUCT INFORMATION SHEET

### ALUMANATION®301- Premium reflective fibered aluminum coating

#### Description

This premium grade metallic pigmented, industrial maintenance coating is formulated from specially processed asphaltic liquids, non-drying oils, a proprietary blend of natural and synthetic fibers, and aluminum pigment. ALUMANATION 301 reflects heat, prevents corrosion, and protects against mild acid and alkali fumes on a variety of substrates, including metal, transite, built-up roofing and modified bitumen

#### Uses

ALUMANATION 301 is a metallic pigmented coating used for the rustproofing and weatherproofing of metal roofs and sidewalls, and as a reflective coating for BUR and modified bitumen roof systems.

#### Advantages

The one-coat application without a primer makes it a very inexpensive and user-friendly product. ALUMANATION 301's aluminum finish is highly reflective; protecting the roof from harmful UV as well as keeping building cooling costs to a minimum.

ALUMANATION 301 is a solvent-based product that can be applied in colder temperatures than its water-based counterparts.

#### Technical Data

Parameter	Values
Specific Gravity (ASTM D 562)	1.00 ± 0.2
Solids (% by Weight)	61% ± 1%
Solids (% by Volume)	47% ± 1%
Viscosity	126 ± 2 K.U.
Metallic Content (ASTM D 2824)	Min. 15%
Flexibility @ 0°C(ASTM D 1737)	Passes 6mm dia mandrel bend
Dry Time (ASTM D 1640)	24 hours
Flashpoint (ASTM D 3278)	40°C
Reflectance (ASTM C 1549-02)	>60
Clean Up	Mineral spirits

## Coverage

Metal	0.83lt/sqm.
Smooth Built-Up/Modified Bitumen Roofing	1.0lt/sqm.

The surface dictates the actual coverage. The amounts shown are intended as minimum application information. Over corrugated and irregular metal surfaces, allow for additional surface area by multiplying square feet by 1.15 minimum.

## Limitations

Do not apply when air surface temperature is below 40°F or when rain is imminent. Not recommended for use over tar surfaces, slate, tile, wood, shingles, or where water ponds. Do not apply over newly installed asphalt built-up roofs without allowing the roof to weather a minimum 60-90 days.

## Preparation

**General:** Remove all debris, dust, and dirt with a stiff broom or power cleaning equipment or by using high-pressure power wash (min. 13.8MPa). All surfaces must be clean and dry. If surface was previously coated, please contact the Tremco Technical Department for surface preparation recommendations.

**Metal:** Rust and flaking or peeling paint shall be wire brushed, scraped, or pressure washed to ensure a sound surface. No priming is necessary because of the rust inhibiting oils in ALUMANATION 301. Seams, fasteners, and protrusions shall be repaired as needed. Refer to appropriate metal application specifications for additional information.

**BUR / Modified Bitumen:** Torn flashings, faulty copings, parapet walls, large blisters, and surface breaks shall be repaired using GEOGARD SEAM SEALER and PERMAFAB roofing fabric. Refer to appropriate BUR / Modified Bitumen application specifications for additional information

## Application

ALUMANATION 301 can be applied by brush, roller, or spray gun to specified coverage rates.

## Spray Equipment Recommendation

**Pumps:** Graco King 45:1, Graco Bulldog 30:1 or gas powered equivalents. Graco GH733, HydraMax 350 or GMax 7900 or other manufacturers equivalents.

**Hose/Pressure:** 50–300 length (depending on spray rig pressure). When using hoses longer than 100 use the next larger hose ID every 50. Every 50 of hose will reduce the spray pressure of the rig by 10% at the gun tip.

i.e. 300 hose – 3/4" (50/100) to 5/8" (50/100) to 1/2" (50/100) to 3/8" (50)  
Good results are generally obtained @ 13.8–20.6 MPa at spraytip.

**Gun:** Graco Contractor Gun, Graco Contractor FTx gun, GracoSilver Plus or equivalent. (Tip extrusions or pole guns can be used)

### Tip Sizes

Fan Width(inches)	.039	.041	.043	.045	.047	.049
10"–12"	539	541	543	545	547	549
12"–14"	639	641	643	645	647	649
14"–16"	739	741	743		743	749
16"–18"	839	841	843		847	
Flow Rate	1.60 gpm	1.80 gpm	1.98 gpm	2.17 gpm	2.37 gpm	2.58 gpm

- Graco Heavy - Duty RAC Switch tips (GHDXXX)

### Maintenance

It is recommended that the coating installation be checked on a regular schedule with additional inspections after the system has been exposed to severe weather conditions. Recoating or small area touch up can be made at any time by following recommended application procedures. Technical Services Technical advice or service on suitability of material for specific application and end-use requirements is available from the manufacturer. Refer to label and Material Safety Data Sheet (MSDS) for precautionary information.

### Packaging

#301550- 208lt drum  
#301050 – 18.9lt pail

### Availability

Immediately available from your local Tremco India Sales Representative or Distributor or contact 022-42760600

### Shelf Life

Shelf life is minimum 12 months if kept in a dry store in the original, unopened condition. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced.

**Tremco India Pvt Ltd.**

304 Town Center II | Andheri-Kurla Road | Saki Naka | Andheri (East) | Mumbai-400059

Office: 022-42760600



CIN No: U74999MH2017FTC294813

## **Warranty**

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

2018/ALUMANATION301DS/IND-RF