

## PRODUCT 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 fibres, and aluminium 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.

## BASIC 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.

Other Uses include:

- Waterproofing of new or old metal /decked roofs
- Rust prevention in old metallic industrial structures
- Heat reduction in Metal / Industrial Structures
- Restoring Built up roofing / modified bitumen roofs

## FEATURES AND BENEFITS

- The one-coat application without a primer makes it a very inexpensive and easy to apply, user-friendly product.
- ALUMANATION® 301's aluminium finish is highly reflective; protecting the roof from harmful UV, reducing heat and keeping building cooling costs to a minimum.
- ALUMANATION® 301 is a solvent-based product that can be applied in colder temperatures than its waterbased counterparts.
- Most suitable for weathered / old roofing or built up roof systems
- Post coating, ALUMANATION® 301 prevents rust from progressing on the metallic surface.

## AVAILABILITY

Please contact Tremco India Pvt. Ltd. for your project requirements.

## PACKAGING

18.9-L pails, 208-L Drums  
Colours: Metallic Aluminium

## SHELF LIFE & STORAGE

Protect from moisture. Store in shade, below 43°C. Shelf life is 9 months when stored in unopened packaging.

## LIMITATIONS

- Do not apply when air surface temperature is below 40-F (4.4-C) 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.
- Contact us for effective maintenance procedures which may vary, depending upon specific conditions.

## 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 Product proven to be defective, and Tremco shall not be liable for any loss or damage.

## BASIC APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION & DETAILING

- **General:** Remove all debris, dust, and dirt with a stiff broom or power cleaning equipment or by using highpressure power wash (min. 150 bar). All surfaces must be clean and dry.
- If surface was previously coated, please contact us 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.
- Please 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.

### ALUMANATION 301 APPLICATION

- ALUMANATION® 301 can be applied by brush, roller, or spray gun to specified coverage rates.
- Use a low speed power drill with Jiffy Mixer attachment, to mix material well, prior to use.

## COVERAGE

Metal: 0.8 L/m<sup>2</sup>  
 Smooth Built-Up/Modified Bitumen Roofing: 1.0 L/ m<sup>2</sup>.  
 The surface dictates the actual coverage. The amounts

shown are intended as minimum application information. Over corrugated and irregular metal surfaces, allow additional surface area by multiplying it by 1.15 minimum.

### TYPICAL TECHNICAL PROPERTIES

Property	Test Method	Values
Weight per Litre		1.1 kg / l
Specific Gravity	ASTM D562	
Solids (% by weight)		61%
Solids (% by volume)		47%
Viscosity		15.7 mPa.s
Metallic Content	ASTM D2824	> 15%
Flexibility @ 0°C	ASTM D1737	Passes 6.35 mm (1/4") diameter Mandrel Bend
Dry Time	ASTM D1640	24 hours
Flash Point	ASTM D3278	40.5 ° C
Reflectance	ASTM C1549	> 60
Clean up Media		Mineral Spirits

• Please contact us at [india@tremcocpg.com](mailto:india@tremcocpg.com) to confirm the most up-to-date Product Data Sheets.  
 NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification & Labelling of Chemicals (GHS) requirements.

