

## Selection & Specification Data

<b>Generic Type</b>	Reflective fibred aluminium coating
<b>Description</b>	Alumanation 301 is a premium grade, industrial maintenance, self-priming, high build aluminium coating formulated from specially processed asphaltic liquids, non-drying oils, a proprietary blend of natural and synthetic fibres, and a fine aluminium pigment. Alumanation 301 contains no asbestos. It reflects heat, prevents corrosion and protects against mild acid and alkali fumes on a variety of substrates, including metal, concrete, transite, built-up roofing and modified bitumen.
<b>Features</b>	<ul style="list-style-type: none"> <li>- Used for the rust proofing and weatherproofing of metal roofs, sidewalls, tanks, bridges, structural steel, electrical transmission towers, piping, guard rails, etc.</li> <li>- Can be applied in colder temperatures than its water-based counterpart.</li> <li>- The thick one-coat application makes it very economical and easy to use product.</li> <li>- Aluminium finish is highly reflective, protecting the roof from harmful UV as well as keeping building cooling costs to a minimum.</li> </ul>
<b>Colour</b>	Aluminium
<b>Finish</b>	Semi-gloss
<b>Dry Film Thickness</b>	200 microns – Inland Environment 300 microns – Coastal & Industrial Environment
<b>Specific Gravity</b>	1.06 ± 0.02
<b>Solids by Mass</b>	61% ± 1%
<b>Solids by Volume</b>	47% ± 1%
<b>Flexibility at 0°C</b>	Passes 6mm diameter mandrel bend
<b>Theoretical Coverage</b>	2.35m <sup>2</sup> /litre at 200 microns 1.57m <sup>2</sup> /litre at 300 microns The surface dictates the actual coverage.
<b>Limitations</b>	Do not apply when the air or surface temperature is below 5°C or when rain is imminent. Not recommended for use over tar surfaces, slate, tile, wood, shingles or where water continuously ponds. Do not apply over newly installed asphalt built-up roofs without allowing the roof to cure for a minimum of 90 days.

## Substrates & Surface Preparation

<b>General</b>	Remove all debris, dirt, dust and loose gravel by sweeping with a stiff broom or power cleaning equipment or by using high pressure power wash. Remove any oil or grease from surface to be coated. All surfaces must be clean and dry.
<b>Metal</b>	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 Alumanation 301 Specification Guide.
<b>Built-up Roofing</b>	Torn flashings, faulty copings, parapet walls, large blisters and surface breaks shall be repaired.

## Application Equipment

<b>General</b>	Apply Alumanation 301 by brush, roller or spray. Do not apply when the surface temperature is less than 3°C above the dew point. Precautions should be taken to prevent overspray from settling on nearby objects or structures when spraying in windy conditions.
<b>Spray</b>	Airless or conventional spray methods: Examples of airless equipment are Graco 45:1 King, Graco 30:1 Bulldog, Graco GH533 and GH733 (gas powered) or equivalents. Airless spray tip recommendation would be a reversible self-cleaning tip .043" to .055" with a fan angle of 40° to 50°.
<b>Maintenance</b>	It is recommended that the coating installation be checked on a regular maintenance schedule. Recoating may be necessary at various intervals, depending upon the severity of conditions. Small area touch-up can be made at any time by following recommended application procedures.
<b>Mixing</b>	Mechanically mix material prior to use.

## Curing Schedule

Drying time at 25°C	24 Hours
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## Cleanup & Safety

<b>Cleanup</b>	Use Thinner # 85
<b>Safety</b>	Read and follow all caution statements on this product data sheet and on the material safety data sheets for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective creams on face, hands and all exposed areas.

## Packaging, Handling & Storage

<b>Shipping Weight (Approximate)</b>	Alumanation 301	<u>5 Litre</u> 5.5kg	<u>20 Litre</u> 22kg
<b>Flash Point</b>	35°C		
<b>Storage Temperature &amp; Humidity</b>	4 to 43°C 0 to 100%		
<b>Shelf Life</b>	12 Months minimum when stored at 25°C		



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