

Alumanation® 301

INDUSTRIAL MAINTENANCE COATING

Key Benefits Summary

- Single coat application
- Protects against rust
- Reflective Finish

PRODUCT INFORMATION

DESCRIPTION

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

BASIC USES

Alumanation® 301 is used for the rustproofing and weatherproofing of metal roofs, sidewalls, tanks, bridges, structural steel, electrical transmission towers, piping, guard rails, etc.

ADVANTAGES

Alumanation® 301, being solvent based, can be applied in colder temperatures than its water based counterparts. The one coat application makes it a very economical and easy to use product. Alumanation® 301's aluminium finish is highly reflective, protecting the roof from harmful UV as well as keeping building cooling costs to a minimum. Its high chemical resistance allows Alumanation® 301 to be used in environments where exposure to acids, alkalis, and other destructive elements is common.

LIMITATIONS

Do not apply when air or surface temperature is below 4.4°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 roof without allowing the roof to cure a minimum of 90 days.

PACKAGING

Available in 208 Litre Drums and 18.9 Litre Pails.

USAGE GUIDELINES

PREPARATION

General: Remove all debris, dust, dirt and loose gravel by sweeping

with a stiff broom or power cleaning equipment or by using high pressure power wash. All surfaces must be clean and dry.

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 Alumanation® 301 specification for warranty requirements.

Built-Up Roofing: Torn flashings, faulty copings, parapet walls, large blisters, and surface breaks shall be repaired using neoprene patching cement and roofing fabric. Where necessary, first apply Permaprimer™ at 2.5m² per litre to older, dried out, porous roof surfaces to revitalise and ensure adhesion.

APPLICATION

Apply Alumanation® 301 by brush, roller or spray.

Spray Equipment Recommendations: Airless or conventional spray methods. Airless spray tip recommendation would be a reversible self-cleaning tip .043" to .044" with a fan angle of 40° to 50°.

MAINTENANCE

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 areas touch-up can be made at any time by following recommended application procedures.

TECHNICAL INFORMATION

Physical Properties	Test	Result
Weight per litre	ASTM D-1475	1kg per Litre
Specific Gravity	ASTM D-1475	1.06
Solids by Weight	ASTM D-1353	61%
Solids by Volume		47%
Flexibility @0°C	ASTM D-1737	Passes 6.35mm mandrel bend
Dry Time	ASTM D-1640	24 Hours
Flashpoint	ASTM D-3278	8°C
Clean up	Mineral Turps	

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Coverage

Metal	18.9L per 23 sqm
Smooth, built up roofing	18.9L per 18.6 sqm
Concrete	18.9L per 18.6 sqm
Asphalt/Gravel, built up roofing	18.9L per 13.25 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 the square metres by 1.15.

HEALTH AND SAFETY PRECAUTIONS

Material Safety Data Sheet must be read and understood before use.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specifications of products. For more detailed information or service and advice call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

We warrant our products to be free of defects and manufactured to meet published physical properties when tested according to applicable specifications and TREMCO standards.

Under this warranty we will provide at no charge, product to replace any product proven to be defective when applied in accordance with our written instructions and in applications recommended by TREMCO as being suitable for this product.

All claims concerning product defects must be made within 12 months of shipment. Absence of such claims in writing during this period will contribute a waiver of all claims with respect to such product. This warranty is in lieu of any and all other warranties expressed or implied.