

TECHNICAL DATA SHEET

P.DS.057 (FB SERIES) REV03/02/2023

SOLVENTBASED

BITUMINOUS ALUMINIUM

Promac Bituminous Aluminium is an oil-modified, reflective aluminium pigmented bitumen paint used to coat bitumen waterproofing systems and torch-on waterproofing membranes to protect against UV degradation and to improve their durability.



USES

Exterior

Protection and decoration of exterior surfaces where a silver aluminium finish is required. Especially suitable for existing bitumen coatings, waterproofing, torch-on membranes and tar surfaces. Reduces surface temperature by reflecting heat. Ideal for surfaces where reflective coating is required.

FEATURES & BENEFITS

- Highly reflective - reduces surface temperature
- UV Resistant
- Water resistance
- Easy to apply
- Lead content, less than 90ppm

TECHNICAL DATA

PHYSICAL FORM	Flammable viscous silver-coloured liquid containing aluminium flake pigment
COLOUR	Silver
FINISH	Glossy, smooth
SPREADING RATE	Steel & galvanised steel: Approx 12 - 14sqm / ℓ per coat Bituminous surfaces: Approx 6 - 8sqm per litre depending on surface porosity, profile and application method
FILM THICKNESS	WFT 100 – 165µm per coat DFT 15 - 25µm per coat
POLYMER TYPE	Oil-modified bitumen resin
PIGMENTS	Leafing grade aluminium flake
VISCOSITY at 23 °C Fc4	15 – 20 second
SG at 23 °C	0.88± 0.02 kg/L
SOLIDS BY MASS	25% approx.
DRYING PROPERTIES	Surface or touch-dry: 2 – 4 hours
RECOATING TIME	12 hours depending on weather condition and film build
FLASH POINT	< 42°C (Abel Closed Cup method)
PACKAGING	5ℓ & 20ℓ
THINNING	If required to reduce viscosity add a minimum quantity mineral turpentine. (NB: DO NOT add water)
CLEANING	Do not allow the product to dry on equipment. Equipment is readily cleaned using mineral turpentine or Promac Brush Cleaner

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APPLICATION METHOD

Supplied ready-for-use using brush, roller or spray. Super fine enamel rollers designed for enamels are recommended.

SURFACE PREPARATION

General:

Ensure surfaces are dry, in sound condition, clean and free from any contaminants such as dust, dirt, rust, salt, algae and grease.

Poorly adherent materials and previously painted surfaces:

Remove all poorly adhering material such as loose particles and damaged existing paint from the surface with high-pressure water cleaning, hand or power tool cleaning methods..

Rust:

All rust layers must be completely removed until a bright metallic finish is achieved. Do so with mechanical surface preparation methods such as Hand tool, Power tool or Blast Cleaning Methods. The loose rust must then be removed from the surface before further treatment and preparation with Promac Galv Prep.

NB: Failure to remove all rust may result in premature rust penetration through the applied paint system and/or failure of the coating system...

Mill Scale:

All mill scale is to be removed by means of mechanical surface preparation methods such as Power tool or Blast Cleaning Methods. Once removed the surface of the metal is to be cleaned with the use of Promac Galv Prep.

Oils, grease, grime, fungicide, mould & bacteria:

Remove oils, grease, grime, fungicide, mould, bacteria and other contaminants of a similar nature from the surface with the use of Promac Galv Prep.

Existing enamel & hard cured coating films in good condition:

All existing coatings that are in good condition, (confirmed by carrying out adhesive tests) must be prepared. The surface of the existing coating must be profiled to increase the tooth for optimal overcoating adhesion capabilities. Profile the existing coating by lightly abrading the existing coating surface by means of; Hand or Power Tool Cleaning and then further cleaned by surface cleaning methods (water cleaning methods).

Chalky surfaces:

Remove all chalky material from the surface with mechanical surface preparation methods such as Hand tool or Power tool. Then further remove all loose material. If chalky material remains on the surface, saturate a mutton cloth with Mineral Turpentine and wipe down until the surface is free from all chalky material.

Existing bitumen:

All existing coatings that are in good condition, (confirmed by carrying out adhesive tests) must be prepared. Remove and repair any damaged bitumen coatings or torch on applications. Further clean and prepare the bitumen surfaces with Promac Galv Prep.

PRIME

Metal substrates:

Prime the prepared surface with a coat of Promac Steel & Metal Etch Vinyl Primer.

Existing bitumen:

Promac Bituminous Aluminium may be applied directly on prepared bitumen surfaces provided that the bitumen product has been allowed to fully cure.

NOTE: All additional products advised for use during surface preparation and priming must be used and applied in accordance with the relevant product's data sheets.

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APPLICATION

Apply two coats of Promac Bituminous Aluminium to the surface with the use of a suitable brush, roller or spray and allow for 6 hours drying time between coats.

IMPORTANT

- Do not apply Bituminous Aluminium in ponds, dams, and water features.
- Maintenance inspections and applications must be conducted every three years.

DO NOT USE

- IF THE TEMPERATURE IS BELOW 10°C OR ABOVE 35°C
- IF THE SURFACE IS DAMP (MOISTURE READING ABOVE 15%)
- IF IT IS RAINING OR RAIN IS FORECAST
- BEFORE 9H00 AND AFTER 16H00 IN THE WINTER

HEALTH & SAFETY

The product contains a flammable solvent. Precaution must be taken to prevent naked flames coming in contact with vapours (i.e. smoking must be prohibited). Solvents may also cause narcotic effects if the vapour concentration is too high: always ensure adequate ventilation (do not use solvent-based paints in a poorly ventilated or closed space). Avoid contact with skin, eyes, mouth etc. Wear protective clothing, goggles & gloves. If body contact is made, rinse off immediately. Wash product off skin before it has dried using soap and water.

DISCLAIMER ADVICE

The information given in this Product Information Sheet is based on controlled laboratory tests and many years of experience. It is given in good faith, but no guarantee of any performance characteristic is given or implied. Promac Paints cannot be held liable for consequential damage of whatsoever nature that may arise from the use of Promac products. Paint technology is continuously being developed and Promac Paints reserves the right to update product specifications without prior notice. Contact Promac Paints for further details.