

## Aluminium Reflective 101

### PRODUCT DESCRIPTION

A thixotropic high build aluminium pigmented coating formulated on a natural grade bitumen and incorporating a lamella pigment that gives improved resistance to moisture ingress and ultra violet degradation. Its key benefits are:

- Excellent water repellent properties
- Attractive bright aluminium finish
- Solar reflective – reduces heat through a roof
- High build – reduces application costs
- Good impact resistance and flexibility

### USES

Typical uses are:

- Anti-corrosive topcoat for steel tanks and pipelines
- Solar reflective coating for asphalt or concrete roofs
- Waterproofing for concrete structures
- Attractive corrosion protection for steel trusses in roofs etc

### TECHNICAL PROPERTIES

Colour	Bright aluminium
Finish	Gloss
Curing Agent	Not applicable
Mix Ratio	Single pack
Specific Gravity	1.14 typical
Volume Solids	40% typical
Recommended Film Thickness	175-250 microns wet / 70-100 microns dry
Theoretical Spreading Rate	4.0-5.7 m <sup>2</sup> / litre
Application Method	Brush, roller or airless spray
Flash Point	35°C (Abel closed cup)
VOC	480 g/l

#### Drying Times

	15°C	25°C	35°C
Touch Dry	2 hours	1 hour	45 minutes
Hard Dry	6 hours	4 hours	2 hours
Minimum Overcoat	24 hours	16 hours	12 hours
Maximum Overcoat	Indefinite	Indefinite	Indefinite

**Paco systems**  
Broadridge Close  
Newton Abbot  
Devon TQ12 1YE

Tel: 01626 207064  
Fax: 08712 424345  
[www.paco-systems.co.uk](http://www.paco-systems.co.uk)  
[info@paco-systems.co.uk](mailto:info@paco-systems.co.uk)

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## **RECOMMENDED SYSTEMS**

Usually a one coat system

## **SURFACE PREPARATION**

**Steel:** Remove all loose paint, rust etc. Degrease to a minimum standard of SSPC-SP1. Either abrasive blast clean to ISO8501:1988 Sa2.5 or power tool clean to a minimum standard of ISO8501:1988 St2. The performance of the coating is directly related to the level of surface preparation.

**Concrete:** Ensure the surface is clean and free from atmospheric pollution which may require washing with clean fresh water. Allow the surface to dry.

**Masonry:** Remove laitance by washing with fresh water and allow to dry. The first coat should be thinned 25% with thinner X98 to allow for good penetration and sealing of the substrate.

**Aged Asphalt:** Remove any loose dirt, fungal growth etc by either high pressure water jet or fungicidal wash and then rinse with clean fresh water. Apply one coat of Aluminium Reflective 101 thinned 10% with thinner X98 followed by one full, unthinned coat.

## **PRODUCT APPLICATION**

Mixing	Stir well before use.
Thinners	Thinner X98
Brush	Use as supplied
Roller	Use as supplied
Airless Spray	Thin up to 10% by volume with Thinner X98. Use tip size 0.015"-0.019" (0.38mm-0.48mm) and pressure 2000 – 2400 psi (145 – 170 bar)
Cleaner	Thinner X98

**Cleanup Considerations** All equipment should be cleaned immediately after use with Thinner X98.

It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied.

Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

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**HEALTH, SAFETY & ENVIRONMENTAL**

This product must be used in accordance with the Material Safety Data Sheet supplied by the manufacturer.

The user must observe local health, safety and environmental regulations when using this product.

Consult the manufacturer if there are any concerns over the suitability of this product.

**PACK SIZES**

5 litre

**PACK WEIGHTS**

5l : 5.7kg

**STORAGE CONDITIONS**

Store in a cool, dry, shaded area and ensure good ventilation. Shelf life 12 months

**LIMITATIONS**

Do not apply this product if the relative humidity exceeds 90% or if the substrate is within 3°C of the dew point.

**DISCLAIMER**

The information given in these specifications and technical advice - whether verbal, in writing or by way of trials is for guidance and is given in good faith, but without warranty. This also applies where propriety rights or third parties are involved. Any person using these products without first making further enquiries as to the suitability of the products for the intended purpose and testing the products to assess their fitness for the purpose does so at their own risk. The application, use and processing of the products are beyond our control and are therefore your own responsibility, and we can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. The information contained in these data sheets is liable to modification from time to time in the light of experience and our policy of continuous development.

It is the user's responsibility to ensure that this sheet is current prior to using the product.

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