

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	n/a		
Mix Ratio	n/a		
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 ² / litre		
Application Method	Brush, roller or airless spray		
Flash Point	35°C (Abel closed cup)		
VOC	480 g/litre		
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*			

CERTIFICATION/APPROVALS

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 No.3 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 No.3 followed by one full, unthinned coat.
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PRODUCT APPLICATION

- Mixing** Stir well before use.
- Thinners** Thinner No.3
- Brush** Use as supplied
- Roller** Use as supplied
- Conventional Spray**
- Airless Spray** Thin up to 10% by volume with Thinner No.3 Use tip size 0.015”-0.019” (0.38mm-0.48mm) and pressure 2000 – 2400 psi (145 – 170 bar)
- Air Assisted Airless Spray**
- Cleaner** Thinner No.3
- Cleanup Considerations** All equipment should be cleaned immediately after use with Thinner No.3
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 Spencer Coatings Limited.
The user must observe local health, safety and environmental regulations when using this product.
Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

PACK SIZES

5 litre.

PACK WEIGHTS

5 litre : 6.1kg

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

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