



LAMININ
COATINGS

for the next
generation

TECHNICAL DATA

SunShield Heat reflective roof coating.	
Date: February 2017/1	
Product code: LSS001 Colour: Colours <hr/> Shelf life: 12 Months Packaging: 1ℓ, 5ℓ, 20ℓ Storage conditions: Store in a cool/dry place Stirring method: Stir with a flat paddle <hr/> Flashpoint: Non-flammable Viscosity: 98 - 105 KU (at 23°C) Specific weight: 1.25 - 1.30 Solids per volume: 35 - 38 % (Approx.) Solids per mass: 48 - 52 % (Approx.) Spreading rate: 6 - 8m ² /1ℓ/coat Dry film thickness 55-60µm (Recommended) Wet film thickness 150 - 180µm VOC level ±3-4g/1ℓ (Zero VOC) <hr/> Recommended coats: 2 <hr/> Drying time: Touch Dry: 30min @ 23°C Dry to handle: 1h @ 23°C Overcoating: Minimum 2 hours @ 23°C <hr/> Application: Surface Temp 10 - 40°C Ambient Temp 5 - 35°C Relative Humidity 10 - 75 % Cleaning: Water	GENERAL PREPARATIONS <ul style="list-style-type: none"> ◦ All surfaces must be clean, sound and dry. ◦ Previously painted sound surfaces can be washed with sugar soap and rinse thoroughly with clean water. ◦ To ease application, sand previously painted stable surfaces. ◦ Remove rust from mild steel and galvanize substrates. Apply HydroEtch /AllPrime, to stabilize surface. If rust cannot be removed completely, spot prime with a rust converter before applying HydroEtch /AllPrime. ◦ Apply BondAll Acrylic to bond and seal clay and cementitious roof tiles. FEATURES SunShield is an environmentally friendly, hydrophobic, colour-fast roof coating based on a pure acrylic emulsion. It dries to a flexible, UV -, mould - and fungal resistant, low sheen film. SunShield's heat reflective technology will not only decrease substrate - and interior temperature, but also protect dry film to allow for a longer-lasting beautiful appearance. This product has been formulated to improve on the TSR (total solar reflectance) compared to Nexus Roof. Depending on colour, SunShield's total TSR is minimum 30%. The exact cooling-effect or reduction of temperature is depended on a number of factors ie substrate, insulation, shading, humidity, region, etc. In comparison to Roof, SunShield will have a heat reduction on substrate of approximately 15%, this translate into 5-15°C and 2-10°C on the interior of a building. White with the highest TSR will have the best result on reduction of energy levels. It is recommended to paint White over stable, darker shades colours before the application of SunShield. This will improve the total TSR.
	WHERE TO USE Galvanized steel and clay tiles



LAMININ COATINGS PTY LTD | reg no 2012/103111/07

13 MONUMENT ROAD | ORANJESIG | BLOEMFONTEIN 9301

T 051 447 8938 | F 051 447 8938

info@laminincoatings.co.za | www.laminincoatings.co.za

Application Details:Pitch of Roof - Add % to spreading rate

Depending on pitch, add 20 - 40 %

Type of Roof - Add % to spreading rate

Corrugated & IBR - 20 - 25%

Smooth or granular cement tiles - 25 - 30%

Spreading Rate Calculations:

Granular cement tiles = 2 - 4m²/1ℓ/coat

Cement / Fibre cement tiles = 5 - 6m²/1ℓ/coat

Galvanised iron = 7 - 8m²/1ℓ/coat

Sealant for tiled roofs: BondAll need to be applied to stabilise surface from all loose particles.

QUALITY GUARANTEE: 15 Years

To qualify for quality guarantee, please register via our website or through your nearest distributor.

Terms and conditions apply - please consult the webpage for further information:

www.laminincoatings.co.za

PRECAUTIONS

- Avoid painting in moist / humid conditions. To allow applied paint to cure, there should be no rain forecast for at least 7 days.
- Do not paint over surfaces with moisture content above 15%. Ideal level 5% or less
- Stir paint well with a flat paddle.
- Ideal application conditions and surface temperature should be between 10°C - 35°C with a relative humidity of less than 75%. It is not recommended to paint in direct sunlight as this will result in the paint drying too fast leading to visible "lap-marks". Windy conditions might have a similar effect and can cause a deposit of dust particles on the wet paint.
- To ensure colour- and sheen level consistency, purchase from the same production batch of paint.
- Tint bases contain fewer litres than advertised.
- Spreading rates are theoretical and based on smooth / flat surfaces.
- Do not wash or abrade newly painted surfaces until properly cured.
- Allow 7 days for paint to dry properly and 30 days to reach full strength.
- Store paint in a cool, dry place.

HEALTH & SAFETY

- Keep out of children's reach.
- Do not eat, drink or smoke during any application.
- Ensure appropriate ventilation during application and drying.
- May be harmful if swallowed.
- Wear protective equipment during preparation, application and cleaning.
- Avoid contact with eyes.
- In case of contact, seek medical advice.
- Avoid contact with skin. In case of contact, wash thoroughly with appropriate solvent.
- If skin irritation occurs, seek medical advice.

Disclaimer:

- * Specifications and recommendations are given in good faith and are meant to be used as a guideline.
- * All information is based on results obtained from our tests done and experience gained over time.
- * Application method and - equipment, condition of substrate and - during application, will have an influence on results. This is beyond the manufacturer's control.
- * As technology may change over time, please ensure the use of the latest Technical Data Sheet.
- * All information listed is owned or used under licence of Laminin Coatings (Pty) Ltd and its related affiliates. © 2013 Laminin Coatings (Pty) Ltd. All rights reserved.