

PREMIUM ENVIROCOOL ROOF PAINT

This Technical Data Sheet (TDS) provides professional instructions for applying DELUXE COATINGS PREMIUM ENVIROCOOL ROOF PAINT. By integrating system-based preparation with expert application techniques, you will ensure an optimal finish, color depth, and long-term durability.

PRODUCT DESCRIPTION

ENVIROCOOL, the ultimate HEAT REDUCER for your home.

A premium quality, heat-reflective Pure Acrylic Low Sheen Roof Coating for exterior use on fibre cement, concrete, and suitably primed metal roofs. Formulated with specialized reflective extenders to improve solar reflectance, reduce heat absorption, and provide long-lasting exterior protection.

100% acrylic roof and wall coating system that reduces surface temperature and keep building cool up to 30% by reflecting UV sunlight.

Enhance and protect your building, plus save money on energy coasts.

INTENDED USES

A durable, weather-resistant coating for use on granular tiles, cement tiles, fibre cement sheets, Galvanized Iron and Zincalume® roofs, concrete, unglazed terracotta, metal, brick or timber roof and walls.

Ideal for residential and commercial roofs where solar heat reduction and lower glare (Low Sheen) are required.

EXCEPTIONAL USES

Patio & shed roofs, Caravan roofs, Horse floats, Refrigerated trucks, Sea containers, Asbestos roofs.

FEATURES & BENEFITS

- **Heat Reflective Formulation:** Incorporates active extenders (Aluminium Hydrate) to minimize thermal absorption.
- **Low Sheen Finish:** Reduces roof glare while maintaining excellent dirt pickup resistance.
- **UV-Resistant:** Offers excellent resistance to weathering and degradation under harsh sunlight.
- **Versatile Application:** Can be applied on prepared cladding, galvanized garage doors, gutters, and down pipes.
- **Water-Based & Low VOC:** Easy equipment cleanup with water.

PRODUCT INFORMATION

Appearance	Low Sheen
Colour	White and pastel solar-reflective shades
Generic Type	Water-borne Acrylic Emulsion
Solids	Approx. 58%- 60% by mass; 46% by volume
Specific Gravity (S G)	Approx. 1.33 kg/l
Recommended DFT	60-70 microns per coat
Viscosity at 23 °C	Approx. 95 KU
Flash Point	Non-flammable
Calculated Max VOC	< 25 g/l
Ph Value	8-9 (Adjusted using Ammonia)
Theoretical Spreading Rate	6.5 – 7.5 m²/L per coat at 60 µm DFT (Guide only)
Practical Spreading Rate	Dependent on substrate porosity, profile, and application technique.

APPLICATION DETAILS

- **Mixing:** Stir thoroughly with a flat paddle until homogeneous.
- **Method:** Brush, roller, or airless spray.
- **Thinning:** Not recommended.
- **Cleaning:** Clean tools with water immediately after use.
- **Substrates:** Suitably prepared tiles, cement tiles, fibre cement sheets, Galvanizing & Zincalume®.
- Suitable for raw, unglazed terracotta roof tiles only when applied over a dedicated, high-adhesion film forming Deluxe Premium sealer and primer Range. (Not suitable for salt-glazed, vitrified, or slate-finished clay tiles unless mechanically abraded and solvent-primed).

Application Environment

Surface Temperature	Ambient Temperature	Relative Humidity
Min: 10 °C Max: 40 °C	Min: 10 °C Max: 40 °C	Min: 10% Max: 85 %

**Or min 2 °C above dew point.*

Airless Spray Setup

- **Tip Pressure:** Minimum 150 bar (2200 psi)
- **Tip Range:** 0.017" – 0.021"

Drying Time (at 23 °C & 50% RH)

- **Touch Dry:** Approx. 1 hour
- **To Re-coat:** Minimum 2-4 hours
- **Full Cure:** Approx. 2-3 days

**Longer drying times will be experienced at lower temperatures or higher relative humidity.*

SURFACE PREPARATION

Remove any fungal growth or algae with household bleach (3.5% sodium hypo chloride solution diluted 2 parts bleach to 1 part water by volume). Allow to stand for 1 hour, scrub with a hard bristle brush, rinse thoroughly with fresh water, and allow to dry.

Cement & Granular Tiles

Unpainted: High-pressure water wash (min. 3000 psi) or scrub with wire brush and water. Allow to dry, seal with Deluxe Roof W/B Sealer, then apply 2 coats of ENVIROCOOL.

Previously Painted (Good Condition): Carry out adhesion tests on previous coating. Perform cross-cut adhesion test (ISO 2409). Clean with degreaser and high-pressure water wash (3000 psi) to remove degreaser solution, chalk and dirt. Seal bare areas with Deluxe Roof W/B Sealer and apply 2 coats of ENVIROCOOL.

Previously Painted (Poor Condition): Strip completely. Restore powdery and friable surfaces to a sound condition by applying Deluxe Roof High Build Sealer, and follow with 2 coats of ENVIROCOOL.

Fibre-Cement Sheeting

Unpainted: High-pressure water wash (min. 3000 psi) or scrub with wire brush and water. Allow to dry, seal with Deluxe Roof W/B Sealer, then apply 2 coats of ENVIROCOOL.

Previously Painted (Good Condition): Carry out adhesion tests on previous coating. Perform cross-cut adhesion test (ISO 2409). Clean with degreaser and high-pressure water wash (3000 psi) to remove degreaser solution, chalk and dirt. Seal bare areas with Deluxe Roof W/B Sealer and apply 2 coats of ENVIROCOOL.

Previously Painted (Poor Condition): Strip completely. Restore powdery and friable surfaces to a sound condition by applying Deluxe Roof High Build Sealer, and follow with 2 coats of ENVIROCOOL.

Galvanizing, Zincalume® & Colorbond®

New: Rub down surface lightly with 3M scouring pad (green). Wash with appropriate degreaser until a water break-free surface is attained. Rinse well with water and allow to dry. Prime with a coat of DELUXE – ACRYLIC UNDEERCOAT 3-IN-1 and follow with 2 coats of ENVIROCOOL.

Weathered: Remove fungal growth, lichens, and loose and flaking paint with a high pressure water jet wash using a minimum of 3000 psi. Remove heavy, loose and flaking rust by wire brushing, chipping or sandpapering to expose a bright metal. Wash with appropriate degreaser until a water break-free surface is attained. Rinse well with water and allow to dry. Prime with a coat of DELUXE – ACRYLIC UNDEERCOAT 3-IN1 and follow with 2 coats of ENVIROCOOL.

Clay & Terracotta Tiles (Unglazed)

Pressure Washing: High-pressure water jet wash at a minimum of 3000–4000 PSI to thoroughly strip away surface dirt, loose clay powder, moss, lichen, and atmospheric contaminants.

Sterilization: Treat all micro-fungal growth, moss, and algae with Deluxe Prep-Treat (or a 3.5% sodium hypo chloride solution). Allow to sit for at least 1–2 hours, scrub with a stiff bristle brush, and rinse thoroughly with clean fresh water.

Substrate Repair & Pointing: Replace any cracked, broken, or spalling tiles. Re-bed and re-point ridge caps using flexible roof pointing compound prior to painting.

Mandatory Priming: Apply 1 coat from Deluxe Premium sealer and primer Range at approx. 6–8 m²/L. Ensure a uniform surface sheen is visible after priming to verify the porous clay surface is fully sealed before applying Deluxe topcoats.

CAUTIONS

- Ensure that surface preparation recommendations are adhered to.
- Observe over coating times.
- Avoid painting during inclement weather or if temperature is below 10 °C or above 40°C.
- **Boxing:** If utilizing multiple containers of the same color, mix them together in one large, clean bucket to guarantee color consistency throughout the project.

SPECIAL CAUTION AND LIMITATION

Painting of clay tiles, slurry-coated tiles, slate, bituminous surfaces, or wooden shingles is not recommended.

SPECIAL CAUTION - CLAY TILES

- **Glazed & Vitrified Tiles:** Do not apply directly onto fully glazed or vitrified clay tiles without specialized surface preparation and adhesion testing, as paint failure due to poor mechanical bonding will occur.
- **Rainwater Collection Systems / Down pipes:** Disconnect all down pipes feeding rainwater collection tanks or storm drains prior to surface cleaning and coating. Leave down pipes disconnected for at least 14 days or until after the first two heavy rainfalls to flush away any residual surface surfactant.
- **Moisture & Delamination Risk:** Ensure the roof is completely dry before applying primer. Trapped moisture within porous clay tiles can lead to steam pressure, blistering, and early delamination under intense sunlight.
- **Fragility & Foot Traffic:** Terracotta and clay tiles become brittle with age and are prone to cracking or shattering under foot pressure. Applicators must take extreme care, step only on tile laps, and use appropriate roof ladders or safety harness equipment.

APPLICATION & CLEAN UP

- Stir ENVIROCOOL thoroughly before and during application.
- Product is ready to use; do not dilute.
- Apply 2 uniform coats by brush, roller, or airless spray.
- If re-coating the following day, rinse the first coat with clean water and let dry to remove overnight dust/contamination.
- Clean all equipment immediately after use with clean water.

SAFETY PRECAUTIONS

- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with the skin should occur, wash area immediately with soap and water or a recognized cleaner.
- Eye protection approved to AS1337 must be worn while handling. In case of contact, immediately rinse the eyes with plenty of water and seek medical advice.
- Harmful if swallowed. Do not induce vomiting. Seek medical attention.
- Refer to Material Safety Data Sheet for complete information.

PROTECT YOUR ENVIRONMENT

- Do not pour left over paint down the drain.
- Unwanted paint should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collections.

- Empty paint containers should be left open in a well-ventilated area to dry out. When dry recycle containers via recycling programmes.

STORAGE, HANDLING & PACKAGING

- **Storage Parameters:** Store in original, unopened containers in a dry, well-ventilated area protected from freezing and direct sunlight. Keep ambient storage temperatures between 5°C and 35°C.
- **Shelf Life:** 24 months from manufacturing date when stored in unopened containers under recommended conditions. Subject to inspection thereafter.
- **Cleanup:** Clean equipment immediately after use with warm, soapy water.
- **Cleanup & Environment Protection:** Do not pour left over paint down the drain. Unwanted paint should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collections. Empty paint containers should be left open in a well-ventilated area to dry out. When dry recycle containers via recycling programme.
- **Individual Packaging:** 10L & 15L

LEGAL DISCLAIMER & PRODUCT WARRANTY

Product Warranty

Deluxe Coatings warrants that this product, when applied in strict accordance with the instructions on the packaging and this Technical Data Sheet (TDS), will meet its published performance specifications. This warranty extends for up to 10 years for exterior applications and 12 years for interior applications from the date of purchase.

Limitations & Coverage

This warranty covers product replacement or refund of the purchase price only. It excludes failure resulting from inadequate surface preparation, structural movement, hydrostatic pressure, rising damp, improper thinning, or mechanical damage. To the maximum extent permitted by law, Deluxe Coatings is not liable for labor, scaffolding, or consequential damages.

Technical Advice & Application Conditions

Information and recommendations in this document are provided in good faith based on laboratory testing and field experience. Because substrate conditions, application methods, and environmental factors are beyond our control, technical advice does not alter or expand the terms of the formal Product Warranty above.

MANUFACTURER'S NOTE: Always perform a test patch in an inconspicuous area if you are unsure of the substrate's condition.

Independent scientific tests have been undertaken in the North-West of W.A. The results show that the temperature under an ENVIROCOOL coated panels dropped from 51.3°C down to 38.4°C at 12:30 pm.

For any additional technical support, please contact the Malaga office.

Deluxe Coatings reserves the right to update product formulations and technical data without prior notice. Always ensure you are referencing the most current TDS available on the official Deluxe Coatings portal.

MANUFACTURER'S DETAILS — DELUXE COATINGS

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