

TECHNICAL DATA SHEET (TDS)

ROOFRITE® Roof Coating System

Commercial Coating Manufacturers Ltd

1. PRODUCT OVERVIEW

ROOFRITE® is a complete roof restoration coating system designed for long-term protection and durability in New Zealand conditions. It is a multi-component system including primers, sealers, basecoats, and acrylic finishes tailored to different roof substrates.

Key Features:

- Low VOC formulation (environmentally friendly)
 - Suitable for potable water collection (after initial rainfall flushing)
 - High durability acrylic system
 - Fade-resistant pigments
 - Suitable for coastal environments
 - Designed for professional spray application
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2. SYSTEM COMPONENTS

The ROOFRITE® system is substrate-specific and may include:

- Roof Wash (cleaning agent)
 - Roof Sealer (penetrating binder)
 - Basecoat (build coat / adhesion layer)
 - Acrylic Finish (topcoat – gloss, semi-gloss, or matt)
 - Substrate-specific primers:
 - Galvanised Iron Primer
 - Zinc Prime
 - Anti-Corrosive Primer
 - Rust Converters (as required)
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3. TYPICAL SYSTEM STRUCTURES

3.1 Concrete Tile

- Clean and treat surface
- Apply Roof Sealer
- 1–2 coats Basecoat
- 2 coats Acrylic Finish

3.2 Galvanised Iron / Zincalume

- Clean and treat rust
- Apply appropriate primer
- 2 coats Acrylic Finish

3.3 Decromastic Tile

- Clean and repair
- Spot prime exposed metal
- Basecoat + chip system
- 2 coats Acrylic Finish (Matt)

3.4 Clay Tile

- Clean and repair
- 1–2 coats Sealer (depending on porosity)
- 2 coats Acrylic Finish

3.5 COLORSTEEL® / COLORBOND® / COLORCOTE®

- Clean (remove chalking / oxidation)
- Spot prime affected areas
- Apply coating system as specified

4. APPLICATION REQUIREMENTS

- Apply by spray (preferred for professional finish)
- Minimum drying time between coats: **2 hours**
- Longer drying may be required depending on:
 - Temperature
 - Humidity
 - Substrate condition

Surface Preparation is critical:

- All contaminants must be removed
 - Rust must be treated appropriately
 - Adhesion testing required on unknown or aged surfaces
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5. COVERAGE RATES

- Approx. **12 m² per litre per coat**
- Equivalent to **6 m² per litre for two coats**

Typical adjustments:

- Corrugated roofs: +40% surface area
 - Long run / tray roofs: up to 2× area
 - Tiled roofs: approx. 2× area
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6. HEALTH, SAFETY & ENVIRONMENT

- Low VOC formulation
 - Suitable for potable water collection (*after minimum 2–3 rainfall flushes*)
 - Follow all standard PPE requirements:
 - Harness systems for roof work
 - Respiratory protection for spraying
 - Ensure safe access and fall protection systems are in place
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7. LIMITATIONS

- Not suitable for surfaces with:
 - Silicone-based coatings
 - Poor adhesion substrates without proper preparation
 - Adhesion testing required for:
 - Glazed tiles
 - Powder-coated or unknown substrates
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8. MAINTENANCE

- Regular inspection recommended
 - Clean surface periodically to prevent:
 - Moss
 - Mould
 - Debris buildup
 - Early maintenance extends coating lifespan
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9. WARRANTY / GUARANTEE / DISCLAIMER

Product Guarantee

ROOFRITE® is designed as a complete system, and performance is dependent on correct:

- Surface preparation
- Product selection
- Application procedures

Maximum durability and protection are achieved only when the full system is used as specified.

Important Conditions of Warranty

The warranty is conditional upon:

- Correct substrate identification
 - Proper surface preparation
 - Use of recommended primers and system components
 - Adherence to application instructions
 - Environmental conditions being suitable during application
 - Work being carried out by competent applicators
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Exclusions

The warranty does not cover:

- Failure due to poor preparation
- Incorrect product selection
- Application outside recommended conditions
- Structural defects in the roof
- Existing substrate failure (e.g. rust, corrosion, delamination)
- Lack of maintenance

- Environmental damage beyond design scope
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Disclaimer

Commercial Coating Manufacturers Ltd provides this information in good faith based on current knowledge and testing. However:

- No responsibility is accepted for application outside recommended practices
 - Users must verify suitability for specific conditions
 - Performance is dependent on factors beyond manufacturer control
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10. SUMMARY

ROOFRITE® is a professional-grade roof restoration system delivering:

- Long-term protection
- Enhanced property value
- Compatibility across multiple roof types
- Proven performance in New Zealand conditions

Proper system use is critical to achieving expected performance and warranty coverage.