

J31 LIQUID APPLIED COATINGS

To be read with Preliminaries/General conditions.

TYPE(S) OF COATING

110 COLD DECK COATING

- Substrate: Existing metal profiled roofing system.
 - Preparation: Surfaces must be:
 - Sound and secure
 - Smooth
 - Completely dry
 - Completely free from all rust and loose or flaking material. Grind all rusty steel back to shiny metal (Sa2.5)
 - Completely free from organic growth
 - Completely free from dust and grease, or any other contaminants
 - Existing coatings must not be cracked or peeling. All flaking coatings must be completely removed.
 - Cut Edge Corrosion must be treated with Rooflock Twelve for Cut Edge Corrosion prior to application of Rooflock Twelve HR system.
 - Fixing heads: remove all removeable fixing caps before coating system application. All fixing heads and washers must be completely free of rust. Loose or rusty fixings must be replaced with correct Fastec Fixings products (www.fastecsystems.com)
- Metal roof coating system: Rooflock Twelve HR Metal Cladding and Roof Refurbishment
 - System manufacturer:
 - Rooflock
 - Pavilion View
 - Newby Road
 - Stockport
 - SK7 5DA
 - UNITED KINGDOM
 - T: +44 161 956 2400
 - W: www.rooflock.com
 - Primer reference: Rooflock Twelve Metal Primer (for use on bare metal only, requirement subject to survey)
 - Coating reference: Rooflock Twelve HR for Metal Cladding and Roof Refurbishment
 - Two-coat application:
 - 15 year specification: 300g/m² (33m² per 10kg tin)
 - 20 year specification: 400g/m² (25m² per 10kg tin)
 - Colour: Light Grey RAL 7035 (Goosewing Grey)
- Suitable substrates:
 - PVC Plastisol based coatings (weathered)
 - Weathered galvanised steel
 - Steel
 - Aluminium – contact Rooflock for advice
- Other surfaces: For preparation and priming of any other surfaces not listed above please refer to Rooflock technical department for guidance.

- Installation: The system should only be installed by Rooflock approved contractors and installers and applied strictly in accordance with the Rooflock Twelve HR Specification and Application Instructions.
- Surface Protection: Not required for standard application.

PERFORMANCE

210 DECK PERFORMANCE

- General: Correctly attached to subframe/structure. No loose sheets or flashings. Free draining.
- Note Preparation requirements above (section 110)

PRODUCTS

353 COATING

- Type: Aliphatic polyurethane
- Manufacturer: Rooflock
 - Product Reference: Rooflock Twelve HR for Metal Cladding and Roof Refurbishment
 - Primer: Rooflock Twelve Metal Primer (for use on bare metal only, requirement subject to survey)
 - Two-coat application:
 - 15 year specification: 300g/m² (33m² per 10kg tin)
 - 20 year specification: 400g/m² (25m² per 10kg tin)
 - Colour: Light Grey RAL 7035 (Goosewing Grey)
- Surface protection: Not required for standard application.

EXECUTION GENERALLY

410 ADVERSE WEATHER

- Do not apply coatings:
 - If the air temperature is outside the range of 5°C – 30°C, unless otherwise permitted by Rooflock.
 - On damp surfaces
 - In damp or cold conditions which could cause surface condensation; during frost or if there is a risk of rain.
 - In high winds (speeds > 7 m/s) unless adequate temporary windbreaks are erected adjacent to the working area.
- Unfinished areas of roof: Keep dry.

420 SUITABILITY OF SUBSTRATES

- Substrates generally:
 - Sound and secure
 - Smooth
 - Completely dry
 - Completely free from all rust and loose or flaking material. Grind all rusty steel back to shiny metal (Sa2.5)
 - Completely free from organic growth

- Completely free from dust and grease, or any other contaminants
- Existing coatings must not be cracked or peeling. All flaking coatings must be completely removed.
- Preliminary work: Complete, including:
 - Grind all rusty steel back to shiny metal (Sa2.5)
 - Remove white zinc salts from galvanised metal by dry abrasion.
 - Use white spirits to remove surface migrated plasticiser from plastisol coatings
 - Test substrate suitability in a concealed area to check adhesion strength and plasticiser migration
 - Cut Edge Corrosion must be treated with Rooflock Twelve for Cut Edge Corrosion.
 - Fixing heads: remove all removable fixing caps before coating system application. All fixing heads and washers must be completely free of rust. Loose or rusty fixings must be replaced with correct Fastec Fixings products (www.fastecsystems.com)

COMPLETION

910 INSPECTION

- Coating surfaces: Check when cured for discontinuities.
 - Defective Areas: Apply another coating.

940 COMPLETION

- Gutters: Clean.
- Outlets: Clear.
- Flashings: Correctly attached.
- Work necessary to provide a weathertight finish: Complete.
- Storage of materials on finished surface: Not permitted.
- Completed coatings: Protect against damage