



Outline NBS Specification

Elastex System to Pitched Plastisol Coated Profiled Metal Sheets (Waterproofing Only)

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J31 LIQUID APPLIED WATERPROOF ROOF COATINGS

To be read with Preliminaries/General conditions.

TYPE(S) OF COATING

110 COLD DECK ROOF COATING

- Substrate: Existing Pitched Plastisol Metal Coated Sheets
 - Preparation: Make good existing metal sheets (outlined in section 550). Thoroughly wipe with Elastex solvent prior to priming.
- Waterproof coating: Elastex System (Polyurethane)
 - System manufacturer: Polyroof Products Limited
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Castle Park Industrial Estate
Flint
Flintshire
CH6 5XA
T: 0800 801 890
E: technical@polyroof.co.uk
 - Primer reference: No primer required to plastisol coated profiled metal sheets / MC Metallic Primer required to exposed metal surfaces
 - Coating reference: Elastex System
 - Primer Application (where necessary): MC Metallic Primer at 8 – 12 m²/Litre
 - Local Reinforcement: Elastex Embedment coat an Elastex Taping Mat at 1.0Litre/m² to all lap joints. Elastex Fibretex at 1.0Litres/m² to bolt heads.
 - Elastex Fibretex coat: 1.0Litre/m²
 - Elastex Protection coat: 0.75Litres/m²
 - Minimum dry film thickness: 1.5mm
 - Colour: Dove Grey or Slate Grey
- Surface protection: Not required for this application
- Accessories: None
- Other surfaces: For preparation and priming of any other surfaces not itemised in this outline specification please refer to Polyroof Coatings Application Manual issued by Polyroof Products Limited for guidance.
- Installation: The system should only be installed by contractors in possession of a current approval certificate and applied strictly in accordance with the Polyroof Coatings Application Manual issued by Polyroof Products Limited.

PERFORMANCE

210 ROOF PERFORMANCE

- General: Firmly adhered, free draining and weathertight

PRODUCTS

353 WATERPROOF COATING

- Type: Polyurethane
- Manufacturer: Polyroof Products Limited
 - Product Reference: Elastex
- Primer Application (where necessary): MC Metallic Primer at 8 – 12 m²/Litre
- Local Reinforcement: Elastex Embedment coat and Elastex Taping Mat at 1.0Litre/m² to all lap joints. Elastex Fibretex at 1.0Litres/m² to bolt heads.
- Elastex Fibretex coat: 1.0Litre/m²
- Elastex Protection coat: 0.75Litres/m²
- Colour: Dove Grey or Slate Grey
- Minimum dry film thickness: 1.5mm
- Surface Protection: Not required for this application

EXECUTION GENERALLY

410 ADVERSE WEATHER

- Do not apply coatings:
 - If the air temperature is outside the range of 3°C – 35°C, unless otherwise permitted by the coating manufacturer.
 - 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:
 - Secure, clean, dry, smooth, free from frost, contaminants, loose material, voids, protrusions and organic growths.
 - Compatible with coating system.
- Preliminary work: Complete, including:
 - Formation of upstands, kerbs, box gutters, sumps, grooves, chases and expansion joints.
 - Fixing of battens, fillets and anchoring plugs/ strips.
- Moisture content and stability: Must not impair integrity of roof.

EXISTING SUBSTRATES

515 EXISTING FLASHINGS

- General: Raise to facilitate cleaning of surfaces to receive coatings.
- Timing: Leave raised during coating application and lower only after full curing.
- Damaged lengths: Replace with new, specified in section: H71 (or similar)



520 PRELIMINARY POWER WASH TO EXISTING COVERINGS

- Timing: Before renewing existing coverings, water jet clean all areas. Allow to dry.

550 MAKING GOOD EXISTING PLASTISOL COATED PROFILED METAL SHEETING

- Loose coatings: Remove.
- Corrosion and oxidation: Abrade back to bright metal.
- Structurally unsound sheets: Replace.

565 EXISTING GUTTERS/OUTLETS

- Dirt, debris and build-up of previous coverings/ coatings: Remove to restore free flow of water.

570 EXISTING CRACKS/GAPS

- General: Rake out, clean and make good with sealants or repair systems recommended by coating manufacturer.

575 FINAL POWER WASH TO EXISTING COVERINGS

- General: Water jet clean all areas. Allow to dry.

580 STERILISATION TREATMENT TO EXISTING COVERINGS

- Preliminary work: Complete including making good and cleaning down.
- Biocidal solution: Apply to all areas previously subject to organic growth. Allow to dry.

ROOFING COATING SYSTEM

720 APPLYING PRIMERS

- Coverage per coat (minimum): One coat of MC Metallic Primer at 8-12 m²/Litre to exposed metal areas
- Surface coverage: Rolled / brushed well in to ensure local or full area coverage according to type.
- Coats: Allow to dry before overcoating.

750 PRELIMINARY LOCAL REINFORCEMENTS

- To all lap joints, apply de-bonding tape and reinforce with Elastex Embedment resin and matting.
 - Bedding: Preliminary coating application.
 - Joints: Lap in length.
 - Bond: Continuous over whole surface, with no air pockets.
 - Condition at completion: Smooth.
- To all bolt heads, apply Elastex Fibretex

760 APPLICATION OF ROOF COATINGS

- Continuity: Maintain full thickness of coatings around angles, junctions and features.
- Rainwater outlets: Form with watertight joints.
- Drainage systems: Do not allow liquid coatings to enter piped rainwater or foul systems.
- Edge trims: Apply coatings over horizontal leg of trim and into recess.



COMPLETION

910 INSPECTION

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

940 COMPLETION

- Roof areas: Clean.
- Outlets: Clear.
- Flashings: Dressed into place.
- Work necessary to provide a weathertight finish: Complete.
- Storage of materials on finished surface: Not permitted.
- Completed coatings: Protect against damage