



## **Outline NBS Specification**

### **Elastex System to Weathered Galvanised Steel Gutters (Waterproofing Only)**

This document is a guide to assist in the production of tender documents only and is not project specific. A site survey is always recommended. It is the responsibility of the client to add and delete clauses as relevant to the contract. Nothing in this proposal or any other literature produced by or on behalf of Polyroof Products Ltd is to be regarded as constituting a contract binding in law between Polyroof Products Ltd and any customer. The only contract which Polyroof will enter into is that contained in the Polyroof guarantee which takes effect only when issued in writing by Polyroof to the customer. Specimen guarantees are available on request.

## J31 LIQUID APPLIED WATERPROOF ROOF COATINGS

To be read with Preliminaries/General conditions.

### TYPE(S) OF COATING

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#### 110 COLD DECK ROOF COATING

- Substrate: Existing Weathered Galvanised Steel Gutter
  - Preparation: Make good existing gutter (outlined in section 550). Thoroughly wipe with Elastex solvent prior to priming.
- Waterproof coating: Elastex System (Polyurethane)
  - System manufacturer: Polyroof Products Limited  
Furness House  
Castle Park Industrial Estate  
Flint  
Flintshire  
CH6 5XA  
T: 0800 801 890  
E: technical@polyroof.co.uk
    - Primer reference: MC Metallic Primer
    - Coating reference: Elastex System
  - Primer Application: MC Metallic Primer at 8 – 12 m<sup>2</sup>/Litre
  - Local Reinforcement to Gutter Joints: Elastex Embedment coat and Elastex Taping Mat at 1.0Litres/m<sup>2</sup>
  - Local Reinforcement to Bolts: Elastex Fibretex at 1.0Litres/m<sup>2</sup>
  - Reinforcement: Elastex Matting to general areas in Embedment coat
  - Elastex Embedment coat: 1.0Litres/m<sup>2</sup>
  - Elastex Protection coat (10 year system): One coat at 0.5Litres/m<sup>2</sup>
  - Elastex Protection coat (20 year system): Two coats, each at 0.5Litres/m<sup>2</sup>
  - Minimum dry film thickness: 1.1 – 1.7mm (depending upon guarantee)
  - 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

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#### 210 ROOF PERFORMANCE

- General: Firmly adhered, free draining and weathertight

## PRODUCTS

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### 353 WATERPROOF COATING

- Type: Polyurethane
- Manufacturer: Polyroof Products Limited
  - Product Reference: Elastex
- Primer Application: MC Metallic Primer at 8 – 12 m<sup>2</sup>/Litre
- Local Reinforcement to Gutter Joints: Elastex Embedment coat and Elastex Taping Mat at 1.0Litres/m<sup>2</sup>
- Local Reinforcement to Bolts: Elastex Fibretex at 1.0Litres/m<sup>2</sup>
- Reinforcement: Elastex Matting to general areas in Embedment coat
- Elastex Embedment coat: 1.0Litres/m<sup>2</sup>
- Elastex Protection (10 year system): One coat at 0.5Litres/m<sup>2</sup>
- Elastex Protection (20 year system): Two coats, each at 0.5Litres/m<sup>2</sup>
- Colour: Dove Grey or Slate Grey
- Minimum dry film thickness: 1.1 – 1.7mm (depending upon guarantee)
- Surface Protection: Not required for this application

## EXECUTION GENERALLY

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### 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

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### 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 WEATHERED GALVANISED STEEL GUTTERING**

- 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**

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#### **720 APPLYING PRIMERS**

- Coverage per coat (minimum): One coat at 8-12 m<sup>2</sup>/Litre of MC Metallic Primer
- 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 GUTTER JOINTS AND BOLTS**

- To all gutter joints, apply de-bonding tape and reinforce with Elastex Embedment coat and Elastex 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
- To any other areas requiring local reinforcement, apply de-bonding tape and reinforce with Elastex Embedment coat and Elastex matting.

#### **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

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### 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