



# **Operations & Maintenance Manual**

Client:

Site:

Date:

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## 1. Manuals

### 1.1 Technical Description / Scope of Works

The installation of the Ecorail system involves galvanised steel tubes and uprights. This comprehensive system includes components such as Short Legs, Long Legs, Recycled Weights, D-Ends, Spring Gates, and various fittings. Each foot is equipped with ribbed rubber mats underneath, facilitating the passage of rainwater without compromising traction. At the top of the uprights, welded sockets are positioned approximately 500mm from the top to secure the horizontal rails. These horizontal rails neatly fit into the sleeved sockets, creating a modular system that requires fewer components for connecting the rails and enhances the system's overall visual appeal.

### 1.2 Sub-Contractor Details.

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### 1.3 Design Parameters

Propriety system designed by Roof Safety Supplies

### 1.4 General Erection

The positioning of the proposed guardrail involves setting the bases at a maximum interval of 2500mm. After establishing the bases, secure the respective legs and tighten the grub screws. Attach the top tube onto the leg and secure it with the grub screw. Insert the rubber deadweight on the appropriate long leg. Repeat this process throughout the designated area.

All operatives concerned will be equipped with a safety harness and appropriate PPE which will then be securely attached to the safety line or a mobile man anchor.

If at any point the public or other operatives should have to proceed under the operatives at work; operatives shall cease work until area below is in safe working condition and no risk to any of the public is present. Prior to commencing the erection of the system you should endeavour to isolate the areas below the guardrail installation.

## 1.5 List of Manufacturers

**Address:** Roof Safety Supplies Ltd  
Unit 14 Enterprise Industrial Estate  
Beeston  
Leeds  
LS11 8HA

**Tel:** 07753 137242

**Email:** andym@roofsafetysupplies.co.uk

**Contact:** Andy Mead - Director

## 1.6 Technical Literature

<b>Short Leg</b>	-	<b>740 x 1098</b> <b>10.53kg</b>
<b>Long Leg</b>	-	<b>740 x 445</b> <b>12.5kg</b>
<b>Recycled Weight</b>	-	<b>810 x 501 x 94</b> <b>20kg</b>
<b>D-End</b>	-	<b>250 x 660</b> <b>3.2kg</b>
<b>Spring Loaded Gate</b>	-	<b>12.5kg</b>
<b>Fittings</b>	-	<b>1kg</b>

## 1.7 Test Certificate / Conformity

Ecorail was tested at Roof Safety Supplies Ltd offices

### **Passed for:**

Static loads with 2.5m spacing on single ply membrane, with 90 degree return end or straight end

Ecorail system conforms to the following:

- **BS 13700-2021**
- **Class A**

## 1.8 Maintenance

The system is designed to be maintenance free, requiring minimal upkeep. However, it is highly recommended to have a competent individual conduct routine checks on an annual basis / inclement weather conditions or if there are any changes to the roof plant or access requirements.

During these checks, ensure that all the grub screws are still tight to maintain the system's integrity. Verify that the system alignment has not been tampered with and that no additional plant has been installed outside of the designated handrails area. These simple but crucial checks can help ensure the continued safety and efficiency of the system.

An annual check and recertification service can be easily arranged through the sub-contractor mentioned above.

## 1.9 Handover certificate

Please see attached Handover Certificate for the relevant site.

## 1.10 Safety

The guardrail should not be relocated or disassembled by individuals not specified in this manual. All personnel are expected to remain within the perimeter of the guardrail. Safety harnesses should not be affixed to the handrail.

## 1.11 Safety Equipment

A full-body harness should be worn either secured to safety lines or connected to a Mobile Man Anchor system when operating beyond the handrail.

## 2 COSHH Reports

2.1 A data sheet is available upon request

## 3 Drawings

### 3.1 Drawing Register

Please see any relevant drawings as attached