

Specification for KEEGUARD ROOF EDGE GUARDRAIL SYSTEM

PART I - GENERAL

Summary: Provide and install freestanding KeeGuard® Roof Edge Fall Protection System, including tube railings, bases, counterweights, fittings and delivery to site.

Reference: EN14122 Part 3 & EN13374 Class A, all applicable, local and national codes.

Finish:

1. Tube for handrails, mid-rails, uprights and counterweight connection is to be galvanised mill finished to the requirements of EN ISO 1461.
2. Kee Klamp® Components shall be galvanised to meet EN ISO 1461.

Design Requirements:

1. Railing shall consist of top rails, mid rails, uprights, counterweights and connections.
2. All tube connections to be Kee Klamp® structural tube components manufactured to the requirements of EN1562/1563.
3. Railing assembly shall be capable of withstanding a load of 300 N/m applied at any point on the top rail. Test in accordance with EN 14122 part 3.

Submittals:

1. Shop drawing; Indicate profiles, sizes, connections, size and type of fasteners and accessories.

Filed Measurements:

1. Verify field measurements prior to assembly and/or ordering.

PART II PRODUCTS

Manufacturer: Kee Safety Ltd, Cradley Business Park, Overend Road, Cradley Heath, West Midlands B64 7DW, England. Tel: +44 (0) 1384 632 188, Fax +44 (0) 1384 632 192. www.keesafety.co.uk

Components:

1. Tube: EN39 & EN10255.
2. Rails and Posts: 48.3 OD steel tube, galvanised.
3. Kee Klamp components: Elbows, Crossovers, Wall flanges, Tees, Couplings, galvanised.
4. Mounting Bases: Iron bases are galvanised and are supplied with a rubber pad on underside of the component.
5. Counterweights: Moulded recycled PVC.
6. Fasteners: All fasteners shall be stainless steel.

PART III EXECUTION

Installation:

1. For all connections with Kee Klamp® Components, each set screw is to be tightened to 39 N/m of torque.
2. Placement of uprights and counterweights to manufacturer specifications as stated in the KeeGuard® Installation Instructions.
3. Terminate the run as stated in the KeeGuard® Installation Instructions.

Schedules:

1. Freestanding counterweighted guardrail system with 1.1m nominal height to provide a barrier on the roof which withstands a load of 300 N/m applied to the top rail per EN 14122 Part 3.

Acceptable low slope, roof edge fall protection to be KeeGuard® manufactured by Kee Safety Ltd.

