To be Latchways VersiRail® guardrail as manufactured by Latchways plc, Hopton Park, Devizes, Wiltshire, SN10 2JP, United Kingdom. Tel: +44 (0)1380 732700 Fax: +44 (0)1380 732772. E-mail: info@latchways.com Web: http://www.latchways.com to ISO 9001:2008 and ISO 14001:2004. Available as fixed or freestanding with folding option. Refer to drawings for roof type and system configuration.

## Product quality - uprights

Available as straight, curved or inclined and to be manufactured from extruded aluminium alloy 6063.

Standard finish to be polished or polyester powder coated (RAL) to special order.

Freestanding upright front foot protection soles - coated aluminium alloy 5083 for Sika Sarnafil / Trocal and flexible soles for other waterproofing membranes (refer to Latchways Sales Support for options).

Freestanding counterbalance weight assembly to be concrete filled with moulded HDPE UV protective case. Single weights (25 kg each) to be used at intermediate upright positions with double weights (50 kg total) to end of runs and gate positions.

## Product quality - castings

Upright and wall end rail termination plate to be manufactured from cast aluminium alloy Al-Si12Fe.

## Horizontal rail

Ø 40mm and to be manufactured from extruded aluminium alloy 6063.

## EN Standards

Freestanding option compliant with EN 13374:2004 Class A - Temporary edge protection systems. Product specification, test methods.

Freestanding & fixed version compliant with EN ISO 14122-3:2001 + A1:2010 Safety of machinery. Permanent means of access to machinery. Stairways, stepladders and guard-rails.

## Maximum upright centres

EN 13374:2004. Maximum upright centres up to 2.5 m.
EN ISO 14122-3:2001 + A1 2010. Maximum upright centres up to 1.5 m.

## Wind speed

Consideration must be given to the location of VersiRail in relation to anticipated wind speeds. Where wind speeds exceed those stated within the relevant standard then maximum centres of uprights including, where applicable, counterbalanced weights, toeboards and/or fixings must be reviewed accordingly.



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Web: www.latchways.com info@latchways.com

LATCHWAYS FALL PROTECTION

## Deflection – as defined within the standard

EN 13374:2004. Maximum 55mm.
EN ISO 14122-3:2001 + A1 2010. Maximum 30mm.

## Requirement for toeboard

EN 13374:2004

Where there is no parapet or the height of the parapet is less than 150 mm a toeboard must be provided. The upper edge of the toeboard must be at least 150 mm above the working surface with no gap greater than 20 mm, the gap between the upper edge of the toeboard and the bottom of the mid-rail must be no greater than 470 mm.

EN ISO 14122-3:2001

A toeboard must be provided when the gap between the platform and adjoining structure is greater than 30 mm. The toeboard must have a minimum upstand of 100 mm and be placed a maximum of 10 mm from the walking level. The gap between the upper edge of the toeboard and the bottom of the mid-rail must be a maximum of 500 mm.

## Ancillary items

All corner sections, joining and connecting elements, closure bend, end assemblies, parapet, slab mounting plate, spring loaded access gate, wall mounting plate, protective collars and kickboard to be manufactured from extruded aluminium alloy 6063.

Z mounting plates to be manufactured from cast aluminium alloy Al-Si9Cu4.

Rivets nuts and bolts as required and to be manufactured from stainless steel.

## Isolation layer to waterproofing membranes

Refer to Latchways Sales Support for specific guidance.

## System design, installation, maintenance, repair and inspection

Undertaken only by Latchways Registered Installers. Details upon request.



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