

NBS L30 Fixed Aluminium Safety Guardrail system

VersiRail by Latchways Fall protection plc

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Product Description:

VersiRail Fixed safety guardrail system for use on new and existing buildings with working platforms, roofs or technical terraces having slopes between 0° and 10° and no public access.

Comprising straight, curved or inclined aluminium uprights, with hand and kneerails, all connected via EZ-FIX clamping system to allow fast assembly and accurate level adjustment. Can be fixed to various roof or platform types; fixing is dictated by whether parapet is present, and weatherproofing methods used on the building.

Complies with requirements of EN ISO 14122-3, section 8.2, and conforms to European Directive 2001/45/CE.

Component Breakdown as per Latchways design:-

Technical Product Specification

Uprights:

- Profile:

- Curved; 1150 mm high.
- Inclined; 1150 mm high.
- Straight; 1150 mm high.

- Maximum centres Between Uprights:

Slab Mounted: 1.5 m

Top (Parapet) Mounted: 1.5 m

Side (Parapet) Mounted: 1.75 m

Connecting elements:

- Junction part; connects lengths linearly.

T junction; connects handrail elements to form right angled connections

Handrails:

40 mm diameter aluminium

- Lengths:

3 m or 6 m. Powder coating only available to 3 m lengths.

Corner sections:

- 45° -45° corner section; for use where upright must be positioned directly in corner (at 45°).
- 90° corner section; for use where right angles are required in handrails.
- Corner sections between 45° and 175° can be fabricated to order by stipulating angle required.

End Components:

- Closure bend; for use where handrail terminates but cannot be attached to building. Connects handrail to kneerail. Can also form designated opening in rail.
- Wall end piece; for termination at supporting wall, parapet or other structure. Fixing is by 4no. M5 diameter screws.

Access gates:

- Only compatible with straight vertical uprights. Can be installed anywhere along the guardrail.
- Width can vary 340–1170 mm.
- Held closed by spring-loaded mechanism.

Maximum centres:

Between hand and kneerail and parapet/ kickboard: 500 mm.

Toeboards:

- Required where there is no parapet or where height of parapet is less than 100 mm.
- Supplied with attaching kit.

Finishes:

Denoted by reference suffix.: Standard Natural, Other options denoted by reference Suffix

- Natural
- Polished: '-POL'.
- Powder coat to RAL colour '-RAL'. Give RAL colour reference as separate item

Mounting plates:

Fixing is dependent on whether parapet exists and weatherproofing of building; consult Latchways. For fixing plates to structure use M10 or M12 diameter fixings, preferably with chemical plugs. Strength of receiving structure must be checked against traction forces generated by VersiRail.

- 200 mm slab mounting, for direct fixing to slab if no parapet or if mounting set back from edge. Sealing collar 22070-00 is recommended.
- 250 mm slab mounting, for fixing to slab where fixing needs to pass through insulation on the upper surface. Sealing collar 22072-00 is recommended. Minimum parapet width 120 mm.
- Wall mounting, for use on parapet 200 mm minimum high, i.e. where there is sufficient height to avoid drilling through weather sealing of structure. Minimum parapet width 120 mm. Can also be fixed to façade of building.
- Cut-out wall mounting, for use with parapet with top covers and allows fixing to interior parapet wall. Minimum parapet width 120 mm.
- Parapet mounting, for mounting on top of parapet. Minimum parapet width 120 mm.
- Steelwork mounting, for fixing to structural frame.
- Steelwork mounting, folding. As above but allows handrail to fold.
- Z-type mounting, fixes to top of parapet for use when height of parapet prevents use of wall fixing, or where drilling through weather sealing of structure must be avoided, or where the aesthetic effect is preferred over parapet mounting. Minimum parapet width 120 mm. Compatible with installation of wall coping.

Sealing collars:

Conform to recommendations of DTU 43.1. For use where coverings must remain weatherproof; compatible with all VersiRail uprights. Pre-applied EFI attaching primer to base of reinforcement collar ensures seal between base of plate and covering, with further cloaking collar to upright.

- Single sealing collar; for use where coverings do not incorporate insulation beneath. Requires 200 mm high mounting plate. Build-up comprises reinforcement collar, 200 mm slab mounting plate, and cloaking collar.

Double sealing collar; for use where coverings do incorporate insulation beneath. Requires 250 mm high mounting plate. Build-up comprises reinforcement collar, 250 mm slab mounting plate, and double cloaking collar.