

# Declared Performance of the Product

## Ridge Rail and Footing Rail

- 1 Designation and trade name of the construction product:  
**Product kit for the installation of fixed anchoring in accordance with the system: Ridge Rail and Footing Rail**
- 2 The construction product's type designation/names per constituent component:
- Rail tube 1.0 m / 2.4 m
  - Angle tube 90°
  - Bracket concrete tiles / clay tiles
  - Anchor plate, load-bearing roof underlay
  - Batten bracket, simplified roof underlay
  - Bracket, profiled sheet metal / flat roof long
  - Bracket smooth roof
  - Fold mount / fold mount, pre-fabricated panel roof
  - Mounting plate 375 x 375 mm
  - Mounting plate, shingle
  - Riser, smooth roof
  - Mounting plate façade ladder (Hygge type)
  - Biber tile mount
  - Biber tile bracket
- 3 Intended Uses for the Construction Product
- Ridge Rail and Footing Rail
  - Attachment of personal fall protection equipment directly on the rail
  - Installation on intended roof types in accordance with the specification on page 2
- 4 Manufacturer's Name and Contact Address:  
**CW Lundberg Industri AB**  
**Landsvägen 52, Box 138, 792 22 Mora, Sweden**
- 5 Authorised representative, if such has been appointed: **Not applicable**
- 6 Assessment and inspection of performance:  
**Assessment and continual inspection performed by supervisory body, and in-house inspections.**
- 7 Technical specifications:  
**Supervisory body, Research Institutes of Sweden (RISE)**  
**Certificate 12 71 01**  
  
**Applied technical specification: SS 831331**
- 8 Construction product's performance:
- | Essential properties                  | Performance | Remarks |
|---------------------------------------|-------------|---------|
| Mechanical strength (according to 6)  |             |         |
| - Static load                         | ≥ 10 kN     | -       |
| - Dynamic load                        | ≥ 100 kg    |         |
| Corrosion resistance (according to 7) | Satisfies   |         |
- 9 Performance of the product for the aforementioned product is consistent with the Performance of the product specified in Section 8. This document is issued at the responsibility of the manufacturer in accordance with Section 4.

Signed on behalf of the manufacturer by:



Thomas Lundberg  
Managing Director

Mora, 24 October 2022



**The Performance of the product indicated below does not constitute a portion of the declared Performance of the product. The manufacture issues additional information about the product which affects or which may affect its use.**

Installation of the ridge rail is done in accordance with Installation Instruction M-204, on PVC, ECB/FPO-based membranes in accordance with M-085 and M-349, on bitumen-based membranes in accordance with M-350, on shingled roofs in accordance with M-132, on weldable EPDM membranes in accordance with M-351 or M-352 and on sheet metal roofs in accordance with M-222, Hyygge sheet metal roofs in accordance with M-301, on tiled roofs in accordance with M-223 and on Biberschwanzziegel roof tile in accordance with M-332 (ridge rail according to M-338).

Supplement with position flag.

Products can be selected in various colours of powder lacquer for design.

#### Other Performance

Properties	Performance	Technical specifications
Mechanical strength	Satisfies	EN 795:1997
Corrosion resistance (corrosivity class C4)	40 years	EN ISO 12944-2
Exterior reaction to fire (according to 7.3)	B <sub>roof</sub>	EN 516:2006

#### Requirements on PVC, ECB/FPO-based membranes

The waterproofing membrane must satisfy the requirements set out in EN 13956, as well as the following requirements:

Properties	Requirement	Technical specifications
Tensile strength	min. 500 N/50 mm	EN 12311-2
Tear resistance	min. 110 N	EN 12310-2
Shear resistance at extensions	min. 450 N/50 mm	EN 12317-2
Peel strength at extensions	min. 150 N/50 mm	EN 12316-2

#### Requirements for bitumen-based membranes

The waterproofing membrane must satisfy the requirements set out in EN 13707:2004+A2:2009, as well as the following requirements:

Properties	Requirement	Technical specifications
Tensile strength	min. 300 N/50 mm	EN 12311-1
Tear resistance	min. 150 N	EN 12310-1
Shear resistance at extensions	min. 500 N/50 mm	EN 12317-1
Peel strength at extensions	min. 125 N/50 mm	EN 12316-1

#### Requirements for weldable EPDM membranes

The waterproofing membrane must satisfy the requirements set out in EN 13956, as well as the following requirements:

Properties	Requirement	Technical specifications
Tensile strength	min. 400 N/50 mm	EN 12311-2
Tear resistance	min. 12 N	EN 12310-2
Shear resistance at extensions	min. 200 N/50 mm	EN 12317-2
Peel strength at extensions	min. 80 N/50 mm	EN 12316-2

#### Choice of attachment in concrete

Installation may only be done with a concrete mount M10 (concrete expander, safety expander or chemical anchor) in at least class A2 that withstands a traction load of at least 10 kN a tensile load of at least 10 kN.

In order to be able to install the anchor loop directly onto concrete, a suitable anchor must be chosen by calculating the load for the class in question on the underlying surface; moreover, one must take into account the type of reinforcement, the distance from the edge and other mounts, the thickness of the concrete and other conditions that may affect the safety of the mount. On the basis of the calculations made and the installation conditions in question, the type and dimension of the anchor is determined, as are the detailed installation instructions that shall be consistent with the manufacturer's instructions.