

Declared Performance of the Product

CWL Safety System WBM PRO

(wire by metre)

- 1 Designation and trade name of the construction product:
Product kit for permanently installed wire system in accordance with: CWL Safety System WBM PRO
- 2 The construction product's type designation/names per constituent component
- Mounting plate 375 x 375 mm
 - Riser, smooth roof
 - Wire control, free-standing wire
 - Marking plate, free-standing wire
 - End bracket, free-standing wire
 - Add-on kit for wire fixing WBM
 - Wire control, folded metal roof
 - CWL Wire runner PRO
 - Threaded pole wire end M10 A2
 - Mounting plate, wire, profiled sheet metal roof
 - Bracket, free-standing wire corner
 - Mounting plate, free-standing wire corner
 - Adapter plate, free-standing wire corner
 - Wire corner WBM
 - Wire joint
 - Wire 8 mm stainless steel 133-strands
- 3 Intended Uses for the Construction Product
- **Anchoring in wire system of personal fall protection equipment for max. two (2) persons at work, and additionally one (1) person upon rescue**
 - **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: EN 516:2006**

- 8 Construction product's performance:

Essential properties	Performance	Remarks
Mechanical strength - Static working load - Dynamic load (class 2 according to 7.2) - Static load (class 2 according to 7.1)	1.5 kN 2X ≥ 100 kg* ≥ 10 kN	EN 516:2006

*2 subsequent fall tests performed on all test items

- 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, 17 October 2024



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 wire system with wire by metre (WBM) is conducted in accordance with Installation Instruction M-368. Wire corners are installed on wire in accordance with Installation Instruction M-369 and on the mount in accordance with Installation Instruction M-291. Installation on PVC, ECB/FPO-based membranes in accordance with M-284 and M-349, on bitumen-based membranes in accordance with M-284 and M-350, on weldable EPDM membranes in accordance with M-284 and M-351 or M-352, on profiled sheet metal roofs in accordance with M-285, and on double-folded sheet metal roofs in accordance with M-286. Wire joint in accordance with M-370.

Optional extra, flag with snow-depth indicator.

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

Other Performance

Properties	Performance	Technical specifications
Corrosion resistance (corrosivity class C4)	40 years	EN ISO 12944-2
Exterior reaction to fire (according to 7.3)	B _{roof}	EN 516:2006

Requirements for sheet metal roofs

Roof type	Sheet metal type	Thickness
Profiled sheet metal	Steel	0.5 mm
Profiled sheet metal	Aluminium	0.8 mm
Double fold	Steel	0.6 mm
Double fold	Aluminium	0.7 mm
Double fold	Zinc	0.6 mm

Requirements on PVC, ECB/FPO-based membranes

The waterproofing membrane must be at least 1.2 mm thick and 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 be at least 2.1 mm thick of which the EPDM must be 1.1 mm and fulfil the requirements in accordance with EN 13956, and 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