

Declared Performance of the Product

CWL Safety System WBM LIGHT (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 LIGHT
- 2 The construction product's type designation/names per constituent component
- | | |
|--|---|
| <ul style="list-style-type: none"> - Mounting plate 375 x 375 mm - Riser, smooth roof - Wire guide, flat roof LIGHT - Marking plate, free-standing wire - End bracket, free-standing wire | <ul style="list-style-type: none"> - Add-on kit for wire fixing WBM - CWL Wire runner LIGHT - Threaded pole wire end M10 A2 - 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 | | |
| - Dynamic load (class 2 according to 7.2) | $2X \geq 100 \text{ kg}^*$ $\geq 10 \text{ kN}$ | EN 516:2006 |
| - Static load (class 2 according to 7.1) | | |
| - Static working load (according to 5.5.2) | 0.7 kN | EN 795:2012 |

**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

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. 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. 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

| <i>Properties</i> | <i>Performance</i> | <i>Technical specifications</i> |
|--|--------------------|---------------------------------|
| 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 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:

| <i>Properties</i> | <i>Requirement</i> | <i>Technical specifications</i> |
|--------------------------------|--------------------|---------------------------------|
| 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:

| <i>Properties</i> | <i>Requirement</i> | <i>Technical specifications</i> |
|--------------------------------|--------------------|---------------------------------|
| 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:

| <i>Properties</i> | <i>Requirement</i> | <i>Technical specifications</i> |
|--------------------------------|--------------------|---------------------------------|
| 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 |