# Declared Performance of the Product
# Wire CWL Safety System PRO

**1** Designation and trade name of the construction product:
**Product kit for permanently installed wire system in accordance with the system: Wire CWL Safety System 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**
- **Wire control, folded metal roof**
- **Wire terminal M installed**
- **Wire terminal F installed**
- **CWL Wire runner PRO**
- **Threaded pole wire end M10 A2**
- **Mounting, wire double folded**
- **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 installed on wire**
- **Steel cable RFR 8 mm A2**

**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: **3**
**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 and FprEN 17235:2019**

**8** Construction product's performance:

| Essential properties | Performance | Remarks |
|---|---|---|
| Mechanical strength (according to 6)<br>- Static working load<br>- Dynamic load | <br>1.5 kN<br>2X ≥ 100 kg | <br>EN 516:2006 |
| - Static rescue load | 900 kg | FprEN 17235:2019 |

**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, 27 April 2022

ROOF SAFETY MORA SWEDEN



T +46 (0)250 55 35 00
info@cwlundberg.com
www.cwlundberg.com

**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.**

*The installation of the free-standing wire system is done in accordance with installation instruction M-283. 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 corners are installed on a mount in accordance with Installation Instruction M-291.*

*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 meta | Steel | 0.5 mm |
| Double fold | Steel | 0.6 mm |
| Double fold | Aluminium | 0.7 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 |



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info@cwlundberg.com
www.cwlundberg.com