**DECLARATION OF PERFORMANCE**

# EDS-B-48xLL

*No: 148806510002-2023-A*

EUROFAST®

EN (English)

**1. Unique identification code of the product-type:**

EDS-B-48xLL (or ERSS-48xLL-2-T25-15C or ERSS-48xLL-2-T25-M)

**2. Intended use/es:**

FASTENERS FOR FLEXIBLE ROOF WATERPROOFING SYSTEMS

**3. Manufacturer:**

Van Roij Fasteners Europe B.V. | Indumastraat 18 | 5753 RJ Deurne | Netherlands

**4. Authorised representative:**

Not applicable

**5. System/s of AVCP:**

System 2 +

**6. European Assessment Document:** EAD 030351-00-0402 (from: 02.2019)

**European Technical Assessment:** ETA-23/0651 (issued on: 26.09.2023)

**Technical Assessment Body:** ITB (1488)

**Notified body/ies:** ITB (AC020) Certificate: 1488-CPR-0662/Z

**7. Declared performance/s:**

| Essential characteristics | Performances | Harmonized Technical Specification |
|---|---|---|
| Fastener axial load | See on the next page/pages: Annex B.1, B.2 | ETA-23/0651 |
| Resistance to fastener unwinding | The rotation of the fastener head after 900 cycles ≤ 1/2 turn. | ETA-23/0651 |
| - | - | - |
| Resistance to corrosion of metalic fasteners | Coated carbon steel fasteners, subjected to 15 Kesternich cycles do not show more than 15% surface corrosion | ETA-23/0651 |
| - | - | - |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

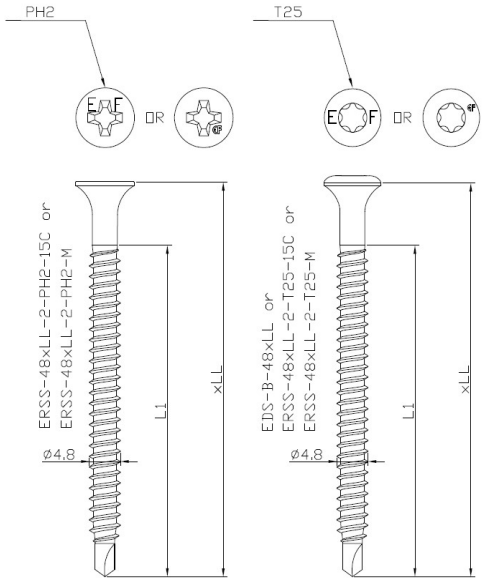
A copy of the Declaration of Performance is available at www.eurofastgroup.com

**Signed for and on behalf of the manufacturer by:**

Kjell Verdonschot
Chief Executive Officer C.E.O

At Deurne on 27.09.2023

*In accordance with Annex III to Regulation (EU) No. 574/2014 of February 21, 2014.*




| **Characteristic Values of Axial Pull-Out Resistance [kN]** (according to Fig. 3 of EAD 030351-00-0402) | | | | | | |
|---|---|---|---|---|---|---|
| | Steel S320GD* | | | | | |
| t [mm] | 0,70 | 0,75 | 0,80 | 0,88 | 1,00 | 1,25 |
| EDS-B-48xLL (ERSS-48xLL-2-T25-15C or ERSS-48xLL-2-T25-M) | 1,18 | 1,50 | 1,60 | 1,60 | 1,65 | 2,26 |
| ERSS-48xLL-2-PH2-15C (ERSS-48xLL-2-PH2-M) | 1,18 | 1,50 | 1,60 | 1,60 | 1,65 | 2,26 |

* when using steel S280GD, values must be reduced by 8%

| **Characteristic Values of Axial Pull-Out Resistance [kN]** (according to Fig. 3 of EAD 030351-00-0402) | | | | | | | |
|---|---|---|---|---|---|---|---|
| | OSB/3 | | | Chipboard | Plywood | | Timber C24 |
| t [mm] | 18 | 21 | 25 | 19 | 18 | 21 | 24 |
| EDS-B-48xLL (ERSS-48xLL-2-T25-15C or ERSS-48xLL-2-T25-M) | 1,12 | 1,20 | 1,22 | 1,18 | 1,08 | 1,29 | 1,78 |
| ERSS-48xLL-2-PH2-15C (ERSS-48xLL-2-PH2-M) | 1,12 | 1,20 | 1,22 | 1,18 | 1,08 | 1,29 | 1,78 |

| **Characteristic Values of Axial Pull-Through* Resistance [kN]** (according to Fig. 4 and 5 of EAD 030351-00-0402) | | | | | |
|---|---|---|---|---|---|
| | DVP-EF-7005D (EPM-70D-5.0-0.5) | DVP-EF-7007D (EPM-70D-6.0-0.7) | DVP-EFB-51NS (EPM-B-51N-5.4-0.84) | DVP-EF-51N (EPM-51N-6.7-0.84) | EPM-IP-80-6.8-0.8 |
| | DVP-EF-7005N (EPM-70N-5.1-0.5) | DVP-EF-7007H (EPM-70H-6.0-0.7) | - | - | EPM-IT-80-6.8-0.8 |
| | - | DVP-EF-7007N (EPM-70N-6.0-0.7) | - | - | EPM-IE-80-6.8-0.8 |
| EDS-B-48xLL (ERSS-48xLL-2-T25-15C or ERSS-48xLL-2-T25-M) | 2,36 | 2,91 | 3,87 | 2,93 | 2,92 |
| ERSS-48xLL-2-PH2-15C (ERSS-48xLL-2-PH2-M) | 2,36 | 2,91 | 3,87 | 2,93 | 2,92 |

* "Pull-over" according to CEN/TS 17659:2021

**Eurofast Flat Roof Fasteners**

**Annex B.1**

EDS-B-48xLL (ERSS-48xLL-2-PH2-15C or ERSS-48xLL-2-PH2-M)
(ERSS-48xLL-2-T25-15C or ERSS-48xLL-2-T25-M)

| **Characteristic Values of Axial Pull-Through* Resistance [kN]** (according to Fig. 4 and 5 of EAD 030351-00-0402) | | | |
|---|---|---|---|
| | BIO-45xLL<br>(EPT-45xLL-BIO) | TLK-45xLL<br>(EPT-45xLL-PP) | HTLK-45xLL<br>(EPT-O-45xLL-PP) |
| | TRP-45xLL<br>(EPT-45xLL-PA) | TLK-75xLL<br>(EPT-75xLL-PP) | - |
| | BTRP-45xLL<br>(EPT-B-45xLL-PA) | DVP-DL-70N + TLK-45xLL<br>(EPM-EDL-70N-20-0.5 + EPT-45xLL-PP) | - |
| | TWP-8040xLL<br>(EPT-8040xLL-PA) | - | - |
| | EDF-BAR F-TUBE + KMT-15xLL<br>(ETM-T-2250-30-6.5-8.3-15.0-1.0 + EPT-15xLL-PA) | - | - |
| | DVP-KMT-8240 + KMT-15xLL<br>(EPM-T-8240N-13.6-1.0 + EPT-15xLL-PA) | - | - |
| | EPM-T-IP-80-13.6-0.8 + KMT-15xLL<br>(EPM-T-IP-80-13.6-0.8 + EPT-15xLL-PA) | - | - |
| | EPM-T-IT-80-13.6-0.8 + KMT-15xLL<br>(EPM-T-IT-80-13.6-0.8 + EPT-15xLL-PA) | - | - |
| | EPM-T-IE-80-13.6-0.8 + KMT-15xLL<br>(EPM-T-IE-80-13.6-0.8 + EPT-15xLL-PA) | - | - |
| | DVP-DL-70N + TRP-45xLL<br>(EPM-EDL-70N-20-0.5 + EPT-45xLL-PA) | - | - |
| EDS-B-48xLL<br>(ERSS-48xLL-2-T25-15C<br>or ERSS-48xLL-2-T25-M) | 2,64 | 1,68 | 1,78 |
| ERSS-48xLL-2-PH2-15C<br>(ERSS-48xLL-2-PH2-M) | 2,64 | 1,68 | 1,78 |

* "Pull-over" according to CEN/TS 17659:2021

| **Characteristic Values of Axial Pull-Through* Resistance [kN]** (according to Fig. 4 and 5 of EAD 030351-00-0402) | | | | | |
|---|---|---|---|---|---|
| | EDF-BAR F<br>(ETM-2250-30-4.8-8.5-1.0) | EDF-BAR F-TUBE<br>(ETM-T-2250-30-6.5-8.3-15.0-1.0) | DVP-EF-4010N<br>(EPM-40N-6.0-1.0) | DVP-EF-5010D<br>(EPM-50D-6.3-1.0) | DVP-DF-7070D<br>(EPM-7070D-7.0-1.0) |
| | EDF-BAR FB<br>(ETM-B-2250-30-4.8-8.5-1.0) | DVP-EF-7010D<br>(EPM-70D-6.5-1.0) | - | DVP-EF-5010N<br>(EPM-50N-6.3-1.0) | DVP-DF-8240D<br>(EPM-8240D-7.0-1.0) |
| | DVP-EF-5010DFR<br>(EPM-50D-4.85-1.0) | DVP-EF-7010N<br>(EPM-70N-6.5-1.0) | - | - | DVP-DF-8240H<br>(EPM-8240H-7.0-1.0) |
| | DVP-EF-7070D<br>(EPM-7070D-4.85-1.0) | DVP-EF-8040D<br>(EPM-8040D-6.5-1.0) | - | - | DVP-DF-8240XH<br>(EPM-8240XH-7.0-1.0) |
| | DVP-EF-7010DFR<br>(EPM-70D-4.85-1.0) | DVP-EF-8040N<br>(EPM-8040N-6.5-1.0) | - | - | DVP-DFB-8240D<br>(EPM-B-8240D-7.0-1.0) |
| | DVP-EF-8240D<br>(EPM-8240D-4.85-1.0) | - | - | - | |
| | DVP-EF-8240XH<br>(EPM-8240XH-4.85-1.0) | - | - | - | |
| | DVP-EFB-8240D<br>(EPM-B-8240D-4.85-1.0) | - | - | - | |
| | DVP-EFZK-8240D<br>(EPM-ZK-8240D-4.85-1.0) | - | - | - | |
| | DVP-EFF-8040D<br>(EPM-8040D-4.85-1.0) | - | - | - | |
| EDS-B-48xLL<br>(ERSS-48xLL-2-T25-15C<br>or ERSS-48xLL-2-T25-M) | 5,18 | 5,05 | 4,43 | 3,89 | 2,96 |
| ERSS-48xLL-2-PH2-15C<br>(ERSS-48xLL-2-PH2-M) | 5,18 | 5,05 | 4,43 | 3,89 | 2,96 |

* "Pull-over" according to CEN/TS 17659:2021