

Declaration of performance no DOPBi40zn

1. Unique identification code of the product type: **Bi 40 Zn**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4): **Bi 40 Zn**
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Bi-steel is a welded wire meshwork - ladder type bed joint reinforcement in masonry for structural applications.
4. Name and contact address of the manufacturer:
Eesti Traat Ltd, Lõuna tee 10, 74201, Loo alevik, Harjumaa, Estonia
5. Not applicable
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 3**
7. **This product complies with the requirements of the European harmonized standard EN 845-3:2013+A1:2016. The notified certification body, Materialprüfanstalt für das Bauwesen Hannover nr 0764, has done the initial type testing of the product.**
8. Not applicable
9. Declared performance:

Essential characteristics	Performance	Harmonized technical spec.
Length	2000 mm \pm 1,5%; 3050 mm \pm 1,5% or 4000 mm \pm 1,5%	EN 845-3:2013+A1:2016
Width	18 mm	EN 845-3:2013+A1:2016
Profile height	4,0 \pm 0,2 mm	EN 845-3:2013+A1:2016
Wire size	4,0 \pm 0,1 mm	EN 845-3:2013+A1:2016
Cross-wires pitch	100 mm \pm 3%	EN 845-3:2013+A1:2016
Characteristic yield strength $R_{p0,2}$ longitudinal wires	Min 690 N/mm ²	EN 845-3:2013+A1:2016
Characteristic yield strength $R_{p0,2}$ cross-wires	Min 690 N/mm ²	EN 845-3:2013+A1:2016
Ductility	Normal (>2,5%)	EN 845-3:2013+A1:2016
Bond strength F_{bk}	6,2 kN	EN 845-3:2013+A1:2016
Lap length	300 mm/ min 3 cross wires	EN 845-3:2013+A1:2016
Durability	Zinc coated, material reference R13	EN 845-3:2013+A1:2016; EN 1996-2:2006

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Valdo Kool
production manager
Loo, Estonia 2020

EESTI TRAAAT



REINFORCEMENT

Distributor

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