

**EC Declaration of Performance  
Brickforce® EBF50**

**CUSTOMER  
INFORMATION**

1. Unique identification code of the product : Brickforce® EBF50 with different widths - see table 1.
2. Type- and traceability info, allowing identification of the construction product as required pursuant to Article 11(4): is provided on the product packaging and product label.
3. Intended use of the construction product in accordance with EN 845-3: 2013+A1: 2016  
Brickforce® EBF50 Welded wire meshwork bed joint reinforcement in STRUCTURAL USES in wall and partitions as covered in the scope of EN 845-3: 2013+A1: 2016
4. Manufacturer : NV BEKAERT SA - Bekaertstraat 2, B-8550 Zwevegem, Belgium.
5. Not applicable.
6. System of assessment and verification of constancy of performance of the construction product :  
System n°3
7. Notified Labs:  
SP - registration nr: 0402 (Technical Research Institute of Sweden) / SE-501 15 Boras , Box 857  
Performed: Initial Type Testing and issued ITT reports  
P806119
8. Not applicable.
9. Declared performance : the essential characteristics per product type are listed in table 1.
10. The performance of the products identified in points 1 and 2 and listed in table 1, are 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.  
Signed for and on behalf of the manufacturer by:

Tom Hautekiet, Vice President Building Products-NV Bekaert SA.

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Addendum to pt 9. Declared Performance on essential characteristics – see table 1 in accordance with EN 845-3: 2013+A1: 2016

Table 1: Declaration on essential characteristics	
Product type	Brickforce® EBF50
Type of welded steel wire meshwork	Ladder
Dangerous substances	No
Equiv. Diameter + tol. - longitudinal wire (mm) Flattened profile longitudinal wire + tol. (mm)	5,00 ± 0,10 3,10 x 7,39 ± 0,20
Diameter + tol. - cross wire	2,75 ± 0,10
Length + tol. (mm)	2700 ± 1,5%
Pitch [b] + tol. (mm)	450 ± 3%
Width [w] + tol (mm)	50, 60, 80,100, 150, 175, 200 ± 5
Material/ coating reference	R22 Zinc + Epoxy coated steel wire
Ductility class - Agt (%) - Rm/Rp0,2	LOW 1,8 - 1,03
Shear load capacity of welds (N)	>1500
Characteristic Yield Strength (N/mm <sup>2</sup> ) Longitudinal wires	775
Characteristic Yield Strength (N/mm <sup>2</sup> ) Cross wire	550
Bond strength (kN)	23,50
Bond & Anchorage length (mm)	450 mm
Masonry units and mortar for stated bond & anchorage length	fb ≥ 5 N/mm <sup>2</sup> & fm ≥ M4

Disclaimer: This Customer Information shall not constitute a guarantee for any specific product features. Final determination of suitability of this material is the sole responsibility of the user