

**EC Declaration of Performance
Brickforce®**

**CUSTOMER
INFORMATION**

1. Unique identification code of the product: **Brickforce®**
with different material coating references and widths - product types see table 1, 2.
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: 2012: Welded wire meshwork bed joint reinforcement in **STRUCTURAL USES** in wall and partitions as covered in the scope of EN845-3: 2012.
4. Name, registered trade name and contact address of the manufacturer as required pursuant to Article 11(5): **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:
 - WTCB registration nr: 1136 / B-1000 Brussel, Lombardstraat 42,
 - SP, Technical Research Institute of Sweden, registration nr: 0402 / SE-501 15 Boras.

Performed: Initial Type Testing and issued ITT reports,
 - ITT report DE 611 XB237-SC1018,
 - ITT report SP No. P806119, P801510-0402CPD497801
8. Not applicable.
9. Declared performance:
the essential characteristics per product type are listed in table 1 and 2.
10. The performance of the products identified in points 1 and 2 and listed in table 1 and 2, 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:

Paul De Geyter, senior Quality manager NV Bekaert SA

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Addendum to pt 9. Declared Performance on essential characteristics – see table 1 & 2

Table 1: Declaration on essential characteristics per Brickforce® product type - according EN 845-3: 2012

Product type	Brickforce® GBF30	Brickforce® EBF30	Brickforce® SBF30	Brickforce® GBF35	Brickforce® EBF35	Brickforce® SBF35	Brickforce® GBF40	Brickforce® EBF40	Brickforce® SBF40
Type of welded steel wire meshwork	Ladder								
Intended use	Welded wire meshwork bed joint reinforcement in structural uses in wall and partitions as covered in the scope of EN845-3: 2012.								
Dangerous substances	None								
Equiv. Diameter + tol. - longitudinal wire (mm)	3,00 ± 0,10			3,50 ± 0,10			4,00 ± 0,10		
Flattened profile longitudinal wire + tol. (mm)	2,50 x 3,20 ±0,20			2,80 x 3,93 ±0,20			2,90 x 5,05 ±0,20		
Diameter + tol. - cross wire (mm)	2,75 ± 0,10	2,50 ±0,10	2,75 ± 0,10	2,50 ±0,10	2,75 ± 0,10	2,50 ±0,10	2,75 ± 0,10	2,50 ±0,10	2,50 ±0,10
Length + tol. (mm)	2700 ± 1,5%								
Pitch + tol. (mm)	450 ± 3%								
Width + tol (mm)	50, 60, 100, 150, 175, 200 ± 5								
Material/ coating reference	R20	R22	R3	R20	R22	R3	R20	R22	R3
Ductility class Agt (%) - Rm/Rp0,2	LOW 1,8 - 1,03		NORMAL	LOW 1,8 - 1,03		NORMAL	LOW 1,8 - 1,03		NORMAL
Shear load capacity of welds (N)	>1500								
Characteristic Yield Strength (N/mm ²) Longitudinal wires	600	700	650	700	775	700	775	700	700
Characteristic Yield Strength (N/mm ²) Cross wire	550	320	550	320	550	320	550	320	320
Bond strength (kN) with 225mm bond length	7,30			7,30			15,70		9,70
Anchorage length (mm)	225								

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Table 2: Declaration on essential characteristics per Brickforce® product type - according EN 845-3:2012

Product type	Brickforce® GBF45	Brickforce® EBF45	Brickforce® SBF45	Brickforce® GBF50	Brickforce® EBF50	Brickforce® SBF50	Brickforce® GTJ40	Brickforce® ETJ40
Type of welded steel wire meshwork	Ladder							
Intended use	Welded wire meshwork bed joint reinforcement in structural uses in wall and partitions as covered in the scope of EN845-3: 2012.							
Dangerous substances	None							
Equiv. Diameter + tol. - longitudinal wire (mm)	4,50 ± 0,10			5,00 ± 0,10			3,65 ± 0,10	
Flattened profile longitudinal wire + tol. (mm)	3,00 x 6,18 ±0,20			3,10 x 7,39 ±0,20			1,90 x 6,00 ±0,20	
Diameter + tol. - cross wire (mm)	2,75 ± 0,10	2,50 ±0,10	2,75 ± 0,10	2,50 ±0,10			2,00 ± 0,10	
Length + tol. (mm)	2700 ± 1,5%							
Pitch + tol. (mm)	450 ± 3%							
Width + tol (mm)	50, 60, 100, 150, 175, 200 ± 5						50, 100, 150, 200 ± 5	
Material/ coating reference	R20	R22	R3	R20	R22	R3	R19	R22
Ductility class Agt (%) - Rm/Rp0,2	LOW 1,8 - 1,03		NORMAL	LOW 1,8 - 1,03		NORMAL	LOW 1,8 - 1,03	
Shear load capacity of welds (N)	>1500						>1000	
Characteristic Yield Strength (N/mm ²) Longitudinal wires	775		750	775		750	800	
Characteristic Yield Strength (N/mm ²) Cross wire	550		320	550		320	550	
Bond strength (kN) with 225mm bond length	15,70		9,70	23,50		14,10	4,90	
Anchorage length (mm)	225							
Masonry units and mortar	masonry units fb ≥ 5 N/mm ² and general purpose mortar ≥ M5							