



DECLARATION OF PERFORMANCE

Nº DPSFB-021

1 Unique identification code of the product-type:

FISUFOR® ST

Bed joint reinforcement of welded wire meshwork in conformity with section 4.2.2 (truss type) of the standard EN 845-3:2013

2 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

The identification of type and traceability are included in the packaging and product label.

3 Intended use in accordance with EN 845-3:2013

Masonry bed joint reinforcement for structural use

4 Registered name and contact address of the manufacturer as required pursuant to Article 11(5):

STEEL FOR BRICKS GZ, S.L.

Pol. Ind. El Saco, Parcela 10, 50172, Alfajarín, Zaragoza, Spain

5 Not applicable

6 System of assessment and verification of performances:

Nº 3

7 Notified body: Cidemco, Nº 1239

Performed task: Initial type tests

Systems of assessment: 3

Document issued: R-16301.1 and R-16301.2

8 Not applicable

9 Declared performance:

Dimensions						
Type	Reference	Width	Length	Profile	Ø wires	Distance between welds
A1	4030Z	30 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4050Z	50 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4080Z	80 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4100Z	100 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4150Z	150 ±5	3001 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4200Z	200 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
A2	5050Z	50 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5080Z	80 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5100Z	100 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5150Z	150 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5200Z	200 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5250Z	250 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5280Z	280 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
B1	4030E	30 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4050E	50 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4080E	80 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4100E	100 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4150E	150 ±5	3001 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4200E	200 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
B2	5050E	50 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5080E	80 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5100E	100 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5150E	150 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5200E	200 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
	5250E	250 ±5	3050 ±1,5%	5 ±0,4	5-3,7-5 (±0,1)	406 ±3%
C	4030I	30 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4050I	50 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4080I	80 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4100I	100 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4100I	150 ±5	3001 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%
	4100I	200 ±5	3050 ±1,5%	3,7 ±0,4	3,7-3-3,7 (±0,1)	406 ±3%

Essential characteristics		Performance	Harmonized Technical Specification
Tensile strength	5.4.1.1 Characteristic yield strength of longitudinal wires	A1/B1 - 600 N/mm ² A2/B2 - 550 N/mm ² C - 625 N/mm ²	EN 845-3:2013
	5.4.1.2 Ductility class of longitudinal wires	Normal	
	5.4.1.3 Characteristic yield strength of cross wires	A/B - 625 N/mm ² C - 650 N/mm ²	
Bond strength	5.5 Bond length and bond strength	10500 N 250 mm (1)	
	5.4.1.4 Shear load capacity of the welds	2500N	
Durability of performance characteristics of the material (anticorrosion)	5.6 Durability and steel grade	A - R20 / 10304 (EN 10020) B - R22 / 10304 (EN 10020) C - R1 / 14597 (EN 10088)	
Dangerous substances	5.7 Dangerous substances	None	

(1) masonry units $f_b \geq 5 \text{ N/mm}^2$ and general purpose mortar $\geq \text{M5}$

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 4.

* Signed for and on behalf of the manufacturer by:


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Zaragoza, 10th of February 2022

Angel Lausin - General manager