

Declaration of Conformity Murfor® Compact

CUSTOMER INFORMATION

1. Unique identification code of the product: **Murfor® Compact**
with different product types and widths - see table 1-2-3.
2. Intended use of the construction product in conformity with EN 845-3: 2013+A1: 2016
Woven Wire Meshwork - bed joint reinforcement for **NON-STRUCTURAL USES** in walls and
partitions as covered in the scope of EN 845-3: 2013+A1: 2016.
3. 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.
4. Notified Lab:
TSUS registration nr: 1301 / SK-82104 Bratislava, Studena 3
Performed: ITT Bond strength + wire mechanical properties.
Issued ITT report N° 20-17-0647
5. Declared performance:
the essential characteristics per product type are listed in table 1-2-3.
6. The performance of the products identified in points 1, is in conformity with the declared performance
in table 1-2-3
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This declaration of conformity is issued under the sole responsibility of the manufacturer identified in
point 3.

Signed for and on behalf of the manufacturer by:

Silvie Coutuer, Global Quality Manager CQA, NV Bekaert SA.

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Addendum to point 5. Declared performance on essential characteristics – see table 1-2-3

Table 1: Declaration on essential characteristics per Murfor® Compact type – galvanized, according EN 845-3: 2013+A1: 2016

Product type	Murfor® Compact A	
	A – 40	A – 80
Mesh Width + tol. (mm)	40 ± 5	80 ± 5
Type of meshwork	Woven Wire Mesh work	
Intended use	bed joint reinforcement for 'Non-Structural' use in walls and partitions, with AAC blocks and thin layer mortar joints.(MX1)	
Dangerous substances	No	
Steel Section (longitudinal wire cord x n° cords)	(0.69 x 7 cords) = 4.83 mm ²	(0.69 x 14 cords) = 9.66 mm ²
Equivalent Diameter Longitudinal Wire cord. (mm)	0.94	
Material/coating reference - Longitudinal wire cord.	Galvanized wire > 40g/m ²	
Profile height (mm)	1.7 ± 0.2	
Ductility class	Low: Agt min. 2.3 % - Re/Rm min. 1.08	
E modulus (GPa)	180	
Characteristic Yield Strength Longitudinal wire cords (N/mm ²)	1770	
Bond strength (kN)	4.5	9.0
Bond and Anchorage length (mm)	250	
Masonry units and Mortar for stated Bond & Anchorage length	$f_b \geq 3.0 \text{ N/mm}^2$ & $f_m \geq 10 \text{ N/mm}^2$	
Pitch + tol. (mm)	33 ± 5	
Roll Length + tol. (m)	30 ± 0.30	

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Table 2: Declaration on essential characteristics per Murfor® Compact type – galvanized, according EN 845-3: 2013+A1: 2016

Product type	Murfor® Compact I	
	I – 50	I - 100
Mesh Width + tol. (mm)	50 ± 5	100 ± 5
Type of meshwork	Woven Wire Mesh work	
Intended use	bed joint reinforcement for 'Non-Structural' use in walls and partitions, with Concrete blocks / Clay bricks and general purpose mortar joints. (MX1)	
Dangerous substances	No	
Steel Section (longitudinal wire cord x n° cords)	(0.69 x 7 cords) = 4.83 mm ²	(0.69 x 14 cords) = 9.66 mm ²
Equivalent Diameter Longitudinal Wire cord. (mm)	0.94	
Material/coating reference - Longitudinal wire cord.	Galvanized wire > 40g/m ²	
Profile height (mm)	1.7 ± 0.2	
Ductility class	Low: Agt min. 2.3 % - Re/Rm min. 1.08	
E modulus (GPa)	180	
Characteristic Yield Strength Longitudinal wire cords (N/mm ²)	1770	
Bond strength (kN)	4.0	8.0
Bond and Anchorage length (mm)	250	
Masonry units and Mortar for stated Bond & Anchorage length	$f_b \geq 25.0 \text{ N/mm}^2$ & $f_m \geq 10 \text{ N/mm}^2$	
Pitch + tol. (mm)	33 ± 5	
Roll Length + tol. (m)	30 ± 0.30	

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Table 3: Declaration on essential characteristics per Murfor® Compact type – Stainless, according EN 845-3: 2013+A1: 2016

Product type	Murfor® Compact E	
	E – 35	E – 70
Mesh Width + tol. (mm)	35 ± 5	70 ± 5
Type of meshwork	Woven Wire Mesh work	
Intended use	bed joint reinforcement for 'Non-Structural' use in walls and partitions, with Concrete blocks / Clay bricks and general purpose mortar joints / thin layer mortar joints. (MX1,2,3,4)	
Dangerous substances	no	
Steel Section (longitudinal wire cord x n° cords)	(0.69 x 7 cords) = 4.83 mm ²	(0.69 x 14 cords) = 9.66 mm ²
Equivalent Diameter Longitudinal Wire cord. (mm)	0.94	
Material/coating reference - Longitudinal wire cord.	R 1 - stainless steel	
Profile height (mm)	1.7 ± 0.2	
Ductility class	Low	
E modulus (GPa)	150	
Characteristic Yield Strength Longitudinal wire cords (N/mm ²)	1525	
Bond strength (kN)	4.0	8.0
Bond and Anchorage length (mm)	250	
Masonry units & Mortar for stated Bond & Anchorage length	$f_b \geq 20 \text{ N/mm}^2$ & $f_m \geq 10 \text{ N/mm}^2$	
Pitch + tol. (mm)	33 ± 5	
Roll Length + tol. (m)	30 ± 0.30	