

## EC Declaration of Performance Murfor® Compact

**CUSTOMER  
INFORMATION  
CI.00033.BKZW**

1. Unique identification code of the product-type: **Murfor® Compact**  
with different product types A, I, E and widths 35 to 100 - see table 1.
2. Intended use:  
'Ancillary components for masonry: **bed joint reinforcement for 'STRUCTURAL USE'** in masonry – horizontal joints - as covered in the scope of ETA 18/0316: 2018.
3. Manufacturer:  
**NV BEKAERT SA** - Bekaertstraat 2, 8550 Zwevegem, Belgium.
5. System of assessment and verification of constancy of performance of the construction product:  
**System n°3**
- 6 b. European Assessment Document: EAD n°. **170008-00-0604**  
European Technical Assessment: ETA n°. **18/0316** issued: june 2018  
Technical Assessment Body: **UBA<sup>t</sup>c** - Lombardstraat /Rue du Lombard 42 - 1000 Brussel/Bruxelles  
Notified Labs :  
TZUS - Technický a zkušební ústav stavební, Praha – Czech Republic;  
TSUS - Technický a skúšobný ústav stavebný, Bratislava - Slovakia;  
VUCHV - Výskumný ústav chemických vlákien, Svit - Slovakia.
7. Declared performance:  
the essential characteristics per product type are declared in table 1&2.

The performance of the product identified above and listed in table 1+2, is in conformity with the set of declared performances from point 7.

This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

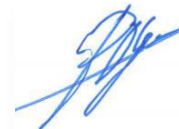
Signed for and on behalf of the manufacturer by:

*Paul De Geyter, Global Quality Manager CQA, NV Bekaert SA.*



Approved by:  
Global Quality Manager CQA - Bekaert  
P. De Geyter

Issued and Signed on version date, at Zwevegem-Belgium.




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.

## EC Declaration of Performance Murfor® Compact

**CUSTOMER  
INFORMATION  
CI.00033.BKZW**

Addendum to pt 7. Declared Performance on essential characteristics – see table 1+2

Table 1: Declaration on essential characteristics per Murfor® Compact type, <b>Galvanized steel</b> , according <b>ETA 18/0316: 2018.</b>				
Product type	Murfor® Compact A		Murfor® Compact I	
	A – 40	A – 80	I – 50	I – 100
Width [W] + tol. (mm)	40 ± 5	80 ± 5	50 ± 5	100 ± 5
Total Steel Section (mm <sup>2</sup> ) (cord section [Ac] x n° cords)	4,83 (0,69 x 7)	9,66 (0,69 x 14)	4,83 (0,69 x 7)	9,66 (0,69 x 14)
Intended use	<b>bed joint reinforcement for 'Structural use'</b> in masonry, with thin layer mortar or normal purpose mortar and with AAC blocks.		<b>bed joint reinforcement for 'Structural use'</b> in masonry, with thin layer mortar or normal purpose mortar and clay-, concrete- or calcium silicate masonry units.	
Exposure conditions	Internal – passive - exposure MX1			
Material/coating reference - Longitudinal steel cord.	R20 - galvanized			
<b>Longitudinal steel cords:</b>				
- Yield Strength (N/mm <sup>2</sup> )	1770		1770	
- Tensile strength (N/mm <sup>2</sup> )	2100		2100	
- Ductility class	LOW Elongation at max force ≥ 2,2 % - Ratio: Tensile str./Yield str. ≥ 1,08			
Steel Wire diameter [c] (mm) x n° wires in cord.	0,54 x 3			
Profile Height [t] + tol. (mm)	1,7 ± 0,2			
Pitch [b] + tol. (mm)	33 ± 3,3			
Pitch between cords [f]-[e] (mm)	10 – 5		10 – 7,5	
Roll Length [L] + tol (m)	30 ± 0,45			
Transverse Roving wire, Tensile Force (N) - Tot. Elongation (%)	380 - 1,4			
Bond strength (kN)	4,5	9,33	4,0	8,42
Bond & Anchorage length (mm)	250			
Masonry units and Mortar for stated Bond & Anchorage length	AAC blocks C3/450 + mortar Ytocol		Perforated clay bricks 'Ploegsteert Barry' + mortar Weber Mix MM301E	

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

## EC Declaration of Performance Murfor® Compact

**CUSTOMER  
INFORMATION  
CI.00033.BKZW**

Table 2:

 Declaration on essential characteristics per Murfor® Compact type **Stainless steel**, according **ETA 18/0316**: 2018.

Product type	Murfor® Compact E	
	E – 35	E - 70
Width [W] + tol. (mm)	35 ± 5	70 ± 5
Total Steel Section (mm <sup>2</sup> ) (cord section [Ac] x n° cords)	4,83 (0,69 x 7)	9,66 (0,69 x 14)
Intended use	<b>bed joint reinforcement</b> for 'Structural use' in masonry, with thin layer mortar or normal purpose mortar and clay-, concrete- or calcium silicate masonry units.	
Exposure conditions	external – moderate an severe exposure - MX2 – MX3 – MX4	
Material/coating reference - Longitudinal steel cord.	R1 – stainless steel	
<b>Longitudinal steel cords:</b>		
- Yield Strength (N/mm <sup>2</sup> )	1480	
- Tensile strength (N/mm <sup>2</sup> )	1725	
- Ductility class	LOW	
	Elongation at max force ≥ 2,2 % - Ratio: Tensile str./Yield str. ≥ 1,08	
Steel Wire diameter [c] (mm) x n° wires in cord.	0,54 x 3	
Profile height [t] (mm)	1,7 ± 0,2	
Pitch [b] + tol. (mm)	33 ± 3,3	
Pitch between cords [f]-[e] (mm)	7,5 – 5	
Roll Length [L] + tol. (m)	30 ± 0,45	
Transverse Roving wire, Tensile Force (N) - Tot. Elongation (%)	380 - 1,4	
Bond strength (kN)	4,0	8,0
Bond & Anchorage length (mm)	250	
Masonry units and Mortar for stated Bond & Anchorage length	Solid clay bricks 'Vandersanden Barok' + mortar Weber Mix MM301E	

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