

EC Declaration of Performance Murfor® Compact I - 100

CUSTOMER INFORMATION

1. Unique identification code of the product : Murfor® Compact I - 100
2. Intended use :
Ancillary components Masonry : Bed joint reinforcement for "Structural Use" in masonry-horizontal joints - as covered in the scope of ETA 18/0316: v2
3. Manufacturer: NV BEKAERT SA Bekaertstraat 2, B-8550 Zwevegem, Belgium.
5. System of assessment and verification of constancy of performance of the construction product :
System n°3
- 6b. European Assessment Document : EAD n°170008-00-0604 - 2018
European Technical Assessment : ETA n° 18/0316 : version 2
Technical Assessment Body : UBAtc - Lombardstraat/Rue Lombard 42 - 1000 Brussels
Notified Labs :
TZUS - Technicky a zkusebni ustav stavebni, Praha - Czech Republic;
TSUS - Technicky a skusobny ustav stavebny, Bratislava - Slovakia;
VUCHV - Vyskumny ustav chemickych vlakien, Svit - Slovakia.
7. Declared performance : the essential characteristics per product type are listed in table 1.

The performance of the products identified above and listed in table 1, is in conformity with the set of declared performances from point 7.
This declaration of performance is issued, in accordance with regulation (EU) N°305/2011; under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by :

Eric Peeters, Divisional CEO Construction Decarbonization - NV Bekaert SA

Approved by:
Eric Peeters

Issued and signed on version date, at Zwevegem–Belgium




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

Classification: [Bekaert Restricted Information](#)

DOP_CI.00033.BKZW/Version-13 2025/07/08

Replaces: 12-2024/04/08

Creation date 2025/07/09 – Language EN

Electronically approved

Page 1/2

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Addendum to pt 7 Declared Performance on essential characteristics – see table 1 in accordance with ETA 18/0316: v2

Table 1: Declaration on essential characteristics	
Product type	Murfor® Compact I - 100
Width [w] + tol (mm)	100 ± 5
Intended use	bed joint reinforcement for 'Structural use' in masonry, with thin layer mortar or normal purpose mortar and clay- or concrete masonry units
Exposure conditions	MX1
Total Steel Section (mm²)(cord section x n° cords)	9.66 - (0.69 x 14)
Material/coating reference - Longitudinal steelcord	R20
Yield Strength (N/mm²)	1770
Ductility class - Agt % - tensile/yield	LOW - ≥ 2.2 - >1.08
Steel Wire diameter [c] (mm) x n° wires in cord	0.54 x 3
Profile height (mm)	1.75 ± 0.2
Pitch [b] + tol. (mm)	33 ± 3.3
Pitch between cords [f]-[e] (mm)	10 - 7.5
Roll Length [l] + tol. (m)	30 ± 0.45
Transverse Roving wire, Tensile Force (N) - Total Elongation (%)	380 - 1.4
Bond strength (kN) - Bond length (mm)	8.42 - 250
Anchorage length (mm)	510
Masonry units and mortar for stated bond strength & anchorage length	$f_b \geq 25 \text{ N/mm}^2$ and $f_m \geq 10 \text{ N/mm}^2$

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