

EC Declaration of Performance - Fortifix®**CUSTOMER
INFORMATION**

1. Unique identification code of the product: **Fortifix® 1, Fortifix® 2**
with different widths - see table 1.
2. Intended use: in accordance with **EN 15381:2008**
Geocomposite / metallic, geotextile-related product as reinforcement for pavements and
asphalt overlays – R.
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 2+
- 6 a. Harmonised standard: EN 15381:2008
Notified Body: **BSI** - registration nr. **2797**, British Standards Institution, London, United Kingdom.
7. Declared performance:
the essential characteristics per product type are listed in table 1.

The performance of the product identified above, is in conformity with the declared performance in 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:

Raf Rentmeesters, Senior Vice President Building Products - NV Bekaert SA

Approved by:
Raf Rentmeesters



Issued and signed on version date, Zwevegem–Belgium



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

Table 1: Declared Properties per product type according EN15381: 2008			
Fortifix® type:		1 - C	2 - C
Mesh size & tolerances (CMD x MD)	mm	40 x 30 -4+0 x ± 5	50* x 50 ± 2 x ± 5
Mesh Tensile strength ⁽¹⁾ & tolerances (MD x CMD)	kN/m	42 x 54 ± 10%	31 x 32 ± 10%
Mesh Elongation ⁽²⁾ & tolerances	%	2,1 ± 0,5	2,1 ± 0,5
Durability ⁽³⁾	g/m ²	Zn coated-class D	
Weathering		Product is to be covered within 1 day after installation	
Bitumen retention ⁽⁴⁾	g/m ²	500 ± 50	
Product info :			
Carrier type		PET non-woven	
Mesh Weight	g/m ²	353	253
Standard Product width	m	0,90 - 1,40 - 2,16 - 2,66 old types 1,00 - 1,50 - 2,00 - 3,00 new types ⁽⁵⁾	
Roll length	m	50	50

CMD= cross machine direction **MD**= Machine direction **PET**= Polyester

* **Equivalent Mesh Width in CMD**: for type 1 & 2 the mesh width is the same (=1,5 inch / 38,1mm), but for **type 2** there is 1 cord on 4 removed, at this place the mesh width becomes 3 inch / 76,2 mm instead of 1,5 inch, this results in an overall equivalent mesh width of 2 inch / 50,8 mm.

(1) **Mesh strength**: weighted average (tested according to single rib test of ASTM D6637-01)

$$F_{\text{mesh}} [kN/m] = \left(1 - \frac{Y}{Y'}\right) \times \frac{F_s}{X} + \frac{Y \times F_w}{Y' \times X}$$

F_{mesh}: (kN/m) tensile strength on mesh(grid), in the considered direction

- **F_s** = average strength on cord – without embrittlement **F_w** = average strength on cord –with embrittlement
- **X** = distance between 2 cords in considered direction **Y** = distance between 2 cords in the other direction
- **Y'** = average distance between welds in considered direction

(2) *Elongation at max load for barre cord (without embrittlement - F_s).*

(3) *according EN 10244-2*

(4) *EN 15381 Annex C*

(5) *new product widths available from June 2021, will gradually replace the old product widths*

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.