

DECLARATION OF PERFORMANCE

according to Annex III of the Regulation (EU) Nr. 305/2011 (Construction Products Regulation)

Nr. Bistal-DoP-002-13/EN

1. Product type: **Bistal bed joint reinforcement of welded steel wire meshwork, type Bi 40 ob - Quality 500**
2. Type identification of the construction product: **Type and article number displayed on the packaging**
3. Intended use of the product: **Welded wire meshwork - ladder type, bed joint reinforcement in masonry for structural applications.**
4. Manufacturer: **Bistål AB i västervik, Fridkullagatan 5, SE- 593 62 Västerwik**
5. System of assessment and verification of performance: **System 3**
6. Harmonized standard: **EN-845-3:2013**
Notified body No. 0402, SP Technical Research Institute of Sweden has performed initial type testing (ITT) of the product according to the standard.
7. Declared performance:

	Dimensions	Limit deviations
Length (l)	4 000 mm	+/- 1,5 %
Width (a)	30 mm	+/- 5 mm
Profile height (t)	4,0 mm	+/- 0,4 mm
Wire size (c)	4,0 mm	+/- 0,1 mm
Wire size (d)	3x4 mm	+/- 0,1 mm
Pitch of wires (b)	95 mm	+/- 3 %

Essential characteristics	Performance data	Harmonized technical specification
Coating reference	NPD	
Shear load capacity	4,8 kN	EN 845-3 + FPC
Characteristic yield strength of wires	500 N/mm ²	EN-845-3 – ITT by notified body
Bond strength	5,63 kN	EN-845-3 – ITT by notified body
Anchorage length	300 mm or 3 cross wires	En-845-3
Ductility class	Normal > 1,05	Table 4, EN-845-3

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Västerwik July 1, 2013

 Stefan Stein
 MD