


DECLARATION OF PERFORMANCE

DoP BETA-100 Betafence Weldmesh® Gabion Product

- 1.- Unique identification code of the product: **BETA-100**
- 2.- Batch number: **YY-00000 (serial number marked on each pallet)**
- 3.- Intended use: **Earth retention, river training, erosion control, fascia systems, architectural claddings, free standing walls, sound barriers and noise mitigation works.
Both in regard to design and installation, the use of gabions is subject to the standards and regulations in force at the place of use.**

4.- Name / contact address of the Manufacturer: ** **BETAFENCE****

**Betafence Sp. z o.o.
ul. Dębowa 4
47-246 Kotlarnia
Poland**

5.- Name / contact address of the Authorised Representative: **Emanuel Gralka
same address as above**

6.- System of Assessment: **AVCP System 2+**

7.- Harmonised standard: **-**

8.- Technical Assessment Body: **TZUS - Technical and Test Institute for Construction
Prosecka 811/76a
CZ - 19000 Praha 9**

with identification number: **1020**

European Technical Assessment issued: **ETA-16/0290**

on the basis of the European Assessment Document: **EAD 200020-00-0102 Weldmesh gabion boxes and mattresses**

Assessment and verification based on System 2+: **The factory production control is assessed to be in conformity with the applicable requirements**

Certificate of conformity of the Factory Production Control: **1020-CPR-06047028**

9.- Declared performance:

Essential characteristics	Performance	Standard
Wire diameters	Tolerances conform EN 10218-2	EAD 200020-00-0102 cl 2.2.1
Tensile strength low carbon steel wires	> 500 N/mm ² conform EN 10218-8	EAD 200020-00-0102 cl 2.2.2
Average weld shear strength panels	Min. 75% of the min required breaking strength of the wire conform ASTM A974-97 and EN 10233-8	EAD 200020-00-0102 cl 2.2.6
Mesh sizes	Tolerances ±3% conform ASTM A974-97	EAD 200020-00-0102 cl 2.2.3
Corrosion protection : - Zincalu® - Zincalu®Ultra - Zincalu®10	Class A according to EN 10244-2 Min 350g/m ² Class A according to EN10244-2	EAD 200020-00-0102 cl 2,2,4
Additional corrosion protection : organic coating	PVC min 0,20mm conform EN 10245-1/2	EAD 200020-00-0102 cl 2,2,5
C-ring : resistance to opening	Fm min 2,0kN	EAD 200020-00-0102 cl 2,2,7
Tensile strength of gabion including spiral	> 20kN/m	EAD 200020-00-0102 Cl 2,2,8
Durability in artificial atmosphere : Neutral salt spray test	2000hours with surface DBR ≤ 5% surface	EAD 200020-00-0102 Cl 2,2,9
Assumed working life is in accordance with EN 10223-8 annex A, in relation to different wire coating and corrosive categories when installed and is subject to appropriate design of wall, installation, use, periodic inspection, with repair and maintenance as needed.		

10.- Signed for and on behalf of the manufacturer:
Name:
Function:
Place:
Date of issue:
Signature:

**Marek Krzysica
Plant Manager
Kotlarnia
4/jul/18**

