

# EUROPEAN TECHNICAL ASSESSMENT

**ETA 22/0842**  
Version 01  
Date of issue: 2023-04-18



UBAtc Assessment Operator:  
COPRO  
Z.1 Researchpark, Kranenberg 190  
B-1731 ZELLIK (Asse)  
www.copro.eu – info@copro.eu



Technical Assessment Body issuing the European Technical Assessment: UBAtc.  
UBAtc has been designated according to Article 29 of Regulation (EU) No 305/2011  
and is member of EOTA (European Organisation for Technical Assessment)

**Trade name of the construction product:**

Double Twisted steel wire mesh Reinforced or not with Ropes

**Product family to which the construction product belongs:**

Road construction products

**Manufacturer and manufacturing plant:**

Link Middle East Ltd. / Link Middle East Ind. LLC  
P.O. Box 16846,  
Plot no. 174-181 & 140-151, Al Hamra Ind. Area,  
Ras Al Khaimah  
Plot no. B34B04A, Jabel Ali Free zone, Dubai,  
United Arab Emirates.

**Website:**

www.linkmiddleeast.com

**This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:**

European Assessment Document (EAD): 230008-00-0106 : Double Twisted steel wire mesh Reinforced or not with Ropes

**This European Technical Assessment contains:**

11 pages



**European Organisation  
for Technical Assessment**

## Legal bases and general conditions

- 1 This European Technical Assessment is issued by UBAtc (Union belge pour l'Agrément technique de la construction, i.e. Belgian Union for technical Approval in construction), in accordance with:
  - Regulation (EU) N° 305/2011<sup>1</sup> of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC
  - Commission Implementing Regulation (EU) N° 1062/2013<sup>2</sup> of 30 October 2013 on the format of the European Technical Assessment for construction products
  - European Assessment Document (EAD) 230008-00-0106.
- 2 Under the provisions of Regulation (EU) No 305/2011, UBAtc is not authorized to check whether the provisions of this European Technical Assessment are met once the ETA has been issued.
- 3 The responsibility for the conformity of the performances of the products with this European Technical Assessment and the suitability of the products for the intended use remains with the holder of the European Technical Assessment.
- 4 Depending on the applicable Assessment and verification of constancy of performance (AVCP) system, (a) notified body(ies) may carry out third-party tasks in the process of assessment and verification of constancy of performance under this Regulation once the European Technical Assessment has been issued.
- 5 This European Technical Assessment allows the manufacturer of the construction product covered by this ETA to draw up a declaration of performance for the construction product.
- 6 CE marking should be affixed to all construction products for which the manufacturer has drawn up a declaration of performance.
- 7 This European Technical Assessment is not to be transferred to other manufacturers, agents of manufacturers, or manufacturing plants other than those indicated on page 1 of this European Technical Assessment.
- 8 The European Technical Assessment holder confirms to guarantee that the product(-s) to which this assessment relates, is/are produced and marketed in accordance with and comply with all applicable legal and regulatory provisions, including, without limitation, national and European legislation on the safety of products and services. The ETA-holder shall notify the UBAtc immediately in writing of any circumstance affecting the aforementioned guarantee. This assessment is issued under the condition that the aforementioned guarantee by the ETA-holder will be continuously observed.
- 9 According to Article 11(6) of Regulation (EU) N° 305/2011, when making a construction product available on the market, the manufacturer shall ensure that the product is accompanied by instructions and safety information in a language determined by the Member State concerned which can be easily understood by users. These instructions and safety information should fully correspond with the technical information about the product and its intended use, which the manufacturer has submitted to the responsible Technical Assessment Body for the issuing of the European Technical Assessment.
- 10 Pursuant to Article 11(3) of Regulation (EU) N° 305/2011, manufacturers shall adequately take into account changes in the product-type and in the applicable harmonised technical specifications. Therefore, when the contents of the issued European Technical Assessment do not any longer correspond to the product-type, the manufacturer should refrain from using this European Technical Assessment as the basis for their declaration of performance.
- 11 All rights of exploitation in any form and by any means of this European Technical Assessment is reserved for UBAtc and the ETA-holder, subject to the provisions of the applicable UBAtc regulations.
- 12 Reproduction of this European Technical Assessment including transmission by electronic means shall be in full. However, partial reproduction can be made with the written consent of UBAtc. In this case partial reproduction has to be designated as such. Texts and drawings of advertising brochures shall not contradict or misuse the European Technical Assessment.
- 13 Subject to the application introduced, this European Technical Assessment is issued in English and may be issued by the UBAtc in its official languages. The translations correspond fully to the English reference version circulated in EOTA.
- 14 This European Technical Assessment was first issued by UBAtc on 2023-04-18.

---

<sup>1</sup> OJEU, L 88 of 2011/04/04

<sup>2</sup> OJEU, L 289 of 2013/10/31

## Technical Provisions

### 1 Technical Description of Product

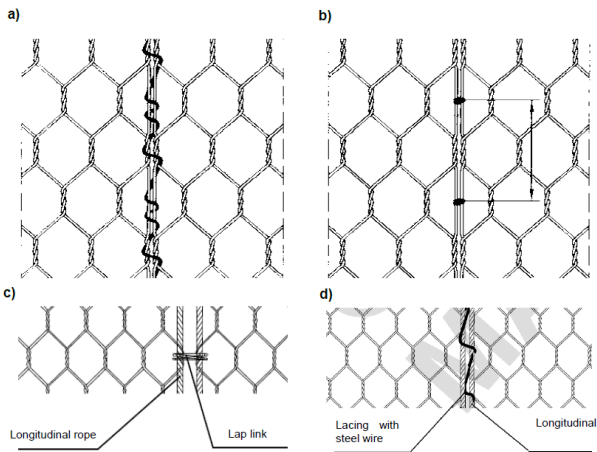
Double twisted steel wire mesh reinforced or not with ropes (see figure 1 and 2) are produced from components:

- Non-ferrous metallic coated wires,
- Non-ferrous metallic coated wire with organic coating extruded onto the metallic coated wire,
- Non-ferrous metallic coated steel wire ropes and non-ferrous metallic coated wire,
- Non-ferrous metallic coated steel wire ropes and non-ferrous metallic coated wire with organic coating extruded onto the metallic coated rope and wire

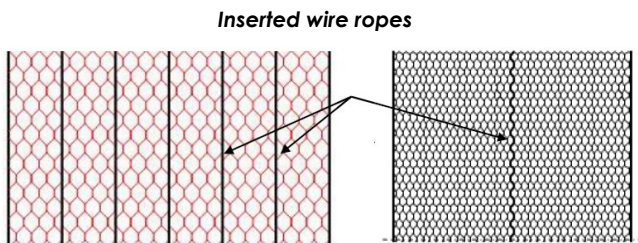
And connection components of mesh:

- Lacing wires, lacing rings, clips and lap-links to connect the mesh together.

Double twisted mesh reinforced or not with ropes during the production, is produced in rolls.



**Figure 1 – Shape and connection of double twisted wire mesh and double twisted wire mesh reinforced with ropes connected: a) and d) by lacing wire, b) by lacing rings or clips, c) by lacing lap links.**



**Figure 2 – Double twisted wire mesh reinforced with ropes.**

The connection of double twisted wire meshes together is performed using lacing wires, lacing rings or lacing clips an lacing lap links (see figure 1).

The nominal mesh sizes and tolerances are mentioned in table 1.

**Table 1 – Nominal mesh sizes and tolerances**

| Mesh type | M<br>(mm) | Tolerance<br>(Table 2, EN 10223-3)<br>(mm) |
|-----------|-----------|--|
| 6 x 8     | 60        | -0/+8                                      |
| 8 x 10    | 80        | -0/+10                                     |
| 10 x 12   | 100       | -4/+12                                     |

The characteristics of the wires and their tolerances are mentioned in table 2.

The dimensions of double twisted mesh reinforced or not with ropes are given in table 3

The organic coating characteristics are shown in Table 4.

The organic coating type and thickness on wire is in accordance with Table 2. The minimum concentricity of organic coating is 60%.

The organic coating must be insured: no cracks (no visible underlying steel wire) in organic coating within the double twist region occur at 50 % of the mean value of tensile strength of the mesh.

For the mesh wire characteristics, see Table 5

The characteristic tensile strengths  $p_k$  of meshes following EN 10223-3 clause 9, are given in table 6a and table 6b.

The characteristic value of punching resistance and deflection of meshes is determined following annex B in ISO 17746, are given in table 6a and table 6b.

**Table 2 – Characteristics of wires and their tolerances**

| Connection    | Coating type                                   | Diameter  |  | Minimum mass of Zinc aluminium alloy coating (Class A, Table 2 - EN 10244-2) | Tensile strength Ft (Cl. 5.2 - EN 10223-3) |  |
|---------------|--|---|--|--|--|--|
|               |  | Non-ferrous metallic coating (Table 1 - EN 10218-2) | Organic coating (Table 2 – EN 10218-2) |  |  |  |
|               |  | (mm)  | (mm)                                   | (g/m <sup>2</sup> )  | (MPa)                                      |  |
| Mesh Wire     | Zinc Alloy Zn95%/Al5% + MM or Zn90%/Al10% + MM | 2,20 ± 0,06   | 3,20 ± 0,20                            | 230  | 350-550                                    |  |
|               |  | 2,70 ± 0,06   | 3,70 ± 0,20                            | 245  |  |  |
|               |  | 3,00 ± 0,07   | 4,00 ± 0,20                            | 255  |  |  |
| Selvedge wire | Zinc Alloy Zn95%/Al5% + MM or Zn90%/Al10% + MM | 2,70 ± 0,06   | 3,70 ± 0,20                            | 245  |  |  |
|               |  | 3,40 ± 0,07   | 4,40 ± 0,20                            | 265  |  |  |
|               |  | 3,90 ± 0,07   | 4,90 ± 0,20                            | 275  |  |  |
| Lacing wire   | Zinc Alloy Zn95%/Al5% + MM or Zn90%/Al10% + MM | 2,20 ± 0,06   | 3,20 ± 0,20                            | 230  |  |  |
| C-ring        | Zinc Alloy Zn95%/Al5% + MM or Zn90%/Al10% + MM | 3,00 ± 0,07   | -                                      | 255  |  |  |

**Table 3 – Dimensions of double twisted mesh**

| Length (L)                     | Width (W)                      |
|--------------------------------|--------------------------------|
| 10m, 20 m, 25 m, 50 m or 100 m | 2 m to 4 m                     |
| ± 5%<br>(Cl. 6.3 - EN 10223-3) | ± 5%<br>(Cl. 6.3 - EN 10223-3) |

**Table 4 – Properties of organic coating materials**

|                     | PVC – EN 10245-2        | PA6 - EN 10245-5         |
|---------------------|-------------------------|--------------------------|
| Density             | ≤ 1,5 g/cm <sup>3</sup> | ≤ 1,15 g/cm <sup>3</sup> |
| Hardness            | Min 38 Shore D          | Max 82 Shore D           |
| Tensile strength    | Min. 17 MPa             | Min. 30 MPa              |
| Elongation at break | Min. 200 %              | Min. 200 %               |

**Table 5 – Characteristics of mesh wires and wire diameters**

| Mesh type | Coating Type  | Wire               |                                      |                        |  |                      |  |
|-----------|---|--------------------|--------------------------------------|------------------------|--|----------------------|--|
|           |   | Diameter mesh wire | Diameter mesh wire + organic coating | Diameter selvedge wire | Diameter selvedge wire + organic coating | Diameter lacing wire | Diameter lacing wire + organic coating |
|           |   | (mm)               | (mm)                                 | (mm)                   | (mm)                                     | (mm)                 | (mm)                                   |
| 6x8       | Zinc Alloy<br>Zn95%/Al5% +<br>MM<br>or<br>Zn90%/Al10% +<br>MM | 2,20               | 3,20                                 | 2,70                   | 3,70                                     | 2,20                 | 3,20                                   |
|           |   | 2,70               | 3,70                                 | 3,40                   | 4,40                                     |                      |  |
| 8x10      |   | 2,70               | 3,70                                 | 3,40                   | 4,40                                     |                      |  |
|           |   | 3,00               | 4,00                                 | 3,90                   | 4,90                                     |                      |  |
| 10x12     |   | 2,70               | 3,70                                 | 3,40                   | 4,40                                     |                      |  |
|           |   | 3,00               | 4,00                                 | 3,90                   | 4,40                                     |                      |  |

**Table 6a – Characteristic value of tensile strength, punching resistance and deflection of mesh for Zinc/Aluminium alloy (Zn95%/Al5% or Zn90%/Al10%) coated wires**

| Mesh type | Wire diameter              | Tensile strength | Punching resistance | Deflection    |
|-----------|----------------------------|------------------|---------------------|---------------|
|           | (mm)                       | (kN/m) (Avg. *)  | (kN) (Avg. *)       | (mm) (Avg. *) |
| 6 x 8     | Mesh 2.20<br>Selvedge 2.70 | 37.18            | 38.83               | 523           |
|           | Mesh 2.70<br>Selvedge 3.40 | 55.01            | 60.58               | 503           |
| 8 x 10    | Mesh 2.70<br>Selvedge 3.40 | 54.83            | 50.15               | 513           |
|           | Mesh 3.00<br>Selvedge 3.90 | 63.53            | 67.74               | 532           |
| 10 x 12   | Mesh 2.70<br>Selvedge 3.40 | 71.90            | 39.26               | 503           |
|           | Mesh 3.00<br>Selvedge 3.90 | 77.79            | 48.78               | 518           |

**Table 6b – Characteristic value of tensile strength, punching resistance and deflection of mesh for Zinc/Aluminium alloy + PVC or PA6 coated mesh**

| Mesh type | Wire diameter+ PVC or PA6 coated     | Tensile strength | Punching resistance | Deflection    |
|-----------|--------------------------------------|------------------|---------------------|---------------|
|           | (mm)                                 | (kN/m) (Avg. *)  | (kN) (Avg. *)       | (mm) (Avg. *) |
| 6 x 8     | Mesh 2.20/3.20<br>Selvedge 2.70/3.70 | 37.18            | 47.72               | 593           |
|           | Mesh 2.70/3.70<br>Selvedge 3.40/4.40 | 55.01            | 74.20               | 593           |
| 8 x 10    | Mesh 2.70/3.70<br>Selvedge 3.40/4.40 | 54.83            | 52.47               | 572           |
|           | Mesh 3.00/4.00<br>Selvedge 3.90/4.90 | 63.53            | 78.89               | 600           |
| 10 x 12   | Mesh 2.70/3.70<br>Selvedge 3.40/4.40 | 71.90            | 55.36               | 633           |
|           | Mesh 3.00/4.00<br>Selvedge 3.90/4.90 | 77.79            | 53.33               | 567           |

Note : \* Tolerance +/-10% on given average values shall be considered

## **2 Specification of the intended use in accordance with the applicable EAD**

Double twisted steel wire mesh reinforced or not with ropes are intended to be used for:

- retaining of unstable slopes
- controlling and preventing rockfall
- loose debris flow
- soil nailing system
- erosion control system
- rockfall protection netting rolls
- gabion
- hydraulic structures use
- along roads, highways and railways.

The assumed working life of double twisted steel wire mesh reinforced or not with ropes with Zinc/Aluminium alloy coating for the intended use is 25 years for corrosivity category C2 and 10 years for corrosivity category C3 (for corrosivity category see EN ISO 9223) when installed in the works, provided that the steel wire meshes are subject to appropriate installation and use. These provisions are based upon the current state of the art and the available knowledge and experience. The assessment and verification methods shall be appropriate with regard to the assumed working life and taking into account the intended use conditions, considerably without major degradation affecting the basic requirements for works.

### 3 Performance of the Product and References to the Methods Used for its Assessment

#### 3.1 Overview

| BWR      | EAD Clause No. | Essential Characteristic  | Assessment of Characteristic |
|----------|----------------|---|------------------------------|
| <b>1</b> |                | <b>Mechanical Resistance and Stability</b>  |                              |
|          | 2.2.1          | Mesh Designation and Mesh Size  | See ETA Section 4.1          |
|          | 2.2.2          | Wire diameter   | See ETA Section 4.2          |
|          | 2.2.3          | Wire tensile strength and elongation  | See ETA Section 4.3          |
|          | 2.2.4          | Rope characteristics:<br>- diameter<br>- designation<br>- wire tensile strength grade<br>- breaking force   | Not relevant                 |
|          | 2.2.5          | Dimensions of product and Connection components   | See ETA Section 4.4          |
|          | 2.2.6          | Corrosion protection: non-ferrous metallic coating, type and class of coating mass  | See ETA Section 4.5          |
|          | 2.2.7          | Additional corrosion protection - organic coating:<br>type<br>coating thickness and wire diameter<br>coating concentricity<br>coating integrity   | See ETA Section 4.6          |
|          | 2.2.8          | Tensile resistance of mesh  | See ETA Section 4.7          |
|          | 2.2.9          | Punching resistance and Deflection of mesh  | See ETA Section 4.8          |
|          | 2.2.10         | Durability:<br>- Sulphur dioxide test with general condensation of moisture of Zn/Al alloy coated mesh samples<br>- Neutral salt spray test with general condensation of moisture of Zn/Al alloy coated mesh samples<br>- UV resistance of organic coating material | See ETA Section 4.9          |
| <b>2</b> |                | <b>Safety in Case of Fire</b>   | Not relevant                 |
| <b>3</b> |                | <b>Hygiene, Health &amp; the Environment</b>  | Not relevant                 |
| <b>4</b> |                | <b>Safety and Accessibility in Use</b>  | Not relevant                 |
| <b>5</b> |                | <b>Protection against Noise</b>   | Not relevant                 |
| <b>6</b> |                | <b>Energy Economy &amp; Heat Retention</b>  | Not relevant                 |
| <b>7</b> |                | <b>Sustainable Use of Natural Resources</b>   | Not relevant                 |

## 4 Mechanical Resistance and Stability

### 4.1 Mesh Designation and Size

The mesh sizes and tolerances of the hexagonal woven mesh gabions supplied by LME are given in **Table 1**. The mesh sizes have been examined in accordance with EN 10223-3.

### 4.2 Wire diameter

Wire diameters are given in **Table 2**. Wire tolerances shall be in accordance with EN 10218-2 and EN 10223-3. Tolerances on diameter for Zn/Al alloy coated wires shall be in accordance with EN 10218-2, Table 1, Tolerance Class T1.

### 4.3 Wire tensile strength and elongation

The tensile strength of the wires used in the hexagonal woven mesh gabions is in the range 350 N/mm<sup>2</sup> to 550 N/mm<sup>2</sup> (Steel Grade 1.0304). The minimum elongation is 8% on a gauge length of 250 mm. The tensile strength shall be measured in accordance with EN 10218-2.

### 4.4 Dimensions of product and Connection components

The dimensions of gabion boxes and mattresses are defined in terms of their length (L) and width (W).

Typical standard sizes for double twisted mesh reinforced or not with ropes are given in **Table 3**. Other sizes may be provided to meet specific project requirements

### 4.5 Corrosion protection: non-ferrous metallic coating

The Zn/Al alloy coating mass has been verified in accordance with EN 10244-1 and conforms to the requirements of EN 10244-2, Class A, as given in Table 2

### 4.6 Additional corrosion protection - organic coating

Wire diameters with organic coating are given in **Table 2**.

Tolerances on diameter for Zn/Al alloy coated wires with organic coating shall be in accordance with EN 10218-2, Table 2.

The minimum concentricity of organic coating is 60%.

The organic coating must be insured, because: no cracks (no visible underlying steel wire) in organic coating within the double twist region occur at 50 % of the mean value of tensile strength of the mesh.

The properties of the organic coating material are given in **Table 4**

### 4.7 Tensile resistance of mesh

The tensile strength of double twisted wire mesh is determined by testing to EN 10223-3. The permissible characteristic tensile strength values for the range of mesh sizes and wire diameters manufactured are given in Table 6a and table 6b.

### 4.8 Punching resistance and deflection of mesh

The punching resistance and deflection of mesh is determined by testing to annex B in ISO 17746. The permissible characteristic values for the range of mesh sizes and wire diameters manufactured are given in Table 6a and table 6b.

### 4.9 Durability

#### 4.9.1 Sulphur Dioxide Test with General Condensation of Moisture of Zn/Al Alloy Coated Mesh Samples

Sulphur dioxide tests with discontinuous exposure on panel fragment samples shall be carried out according to EN ISO 6988.

Zinc Alloy (Zn95%/Al5%Zn or Zn90%/Al10%) coated productsamples shall not show more than 5% DBR (Dark Brown Rust) after 56 cycles of discontinuous exposure.

#### 4.9.2 Neutral Salt Spray Test with General Condensation of Moisture of Zn/Al Alloy Coated Mesh Samples

Verification and assessment of the durability of Zinc Alloy (Zn95%/Al5%Zn or Zn90%/Al10%) coated wire shall be made according to EN ISO 9227. For the range of double twisted steel wire mesh reinforced or not with ropes covered by this ETA, the durability against salt-spray is minimum 2000 hours.

#### 4.9.3 Durability Tests on Organic Coating Material

Verification shall be carried out according clause 2.2.10.3 of EAD 230008-00-0106. The average relationship of initial and retained tensile strength and elongation is < 25%..

## 5 Assessment & Verification of Constancy of Performance

### 5.1 AVCP System

In accordance with Regulation (EU) N° 305/2011, Article 65, Directive 89/106/EEC is repealed, but references to the repealed Directive shall be construed as references to the Regulation.

According to Decision 1998/214/EC<sup>3</sup> of the European Commission of 21/01/1999, amended by the Commission Decision 2001/596/EC<sup>4</sup>, the System(s) of Assessment and Verification of Constancy of Performance (see Annex V of Regulation (EU) No. 305/2011) given in **Table 7** applies.

**Table 7: System of Assessment and Verification of Constancy of Performance**

| Product                    | Intended Use            | AVCP System |
|----------------------------|-------------------------|-------------|
| Road Construction Products | Civil engineering works | 1           |

The System of Attestation and Verification of Constancy of Performance referred to above is defined in Annex V of Regulation (EU) No. 305/2011.

<sup>3</sup> OJEU, L 80, 18.3.1998

<sup>4</sup> OJEU, L 209, 2.8.2001



## **6 Technical Details necessary for the Implementation of the AVCP System, as foreseen in the applicable EAD**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at COPRO.

### **6.1 Tasks for the Manufacturer**

#### **6.1.1 Assessment of the performance of the Product**

For assessment of the performance of the product the results of the tests performed as part of the assessment for the European Technical Assessment shall be used unless there are changes in the production line or plant. In such cases the necessary assessment of the performance of the product has to be agreed between the manufacturer and the Notified Bodies involved.

#### **6.1.2 Factory Production Control (FPC)**

The manufacturer has a factory production control system (FPC) and exercises permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer are documented in a systematic manner in the form of policies, procedures and work instructions. This FPC system ensures that the product is in conformity with this European Technical Assessment.

The manufacturer shall only use raw materials or components that are supplied with the relevant inspection documents as laid down in the Control Plan<sup>5</sup>. All incoming raw materials shall be subject to inspection, verification, controls and tests (as applicable) by the manufacturer.

The Control Plan which is part of the technical documentation of this European Technical Assessment includes details of the extent, nature and frequency of testing and controls to be performed within the FPC system and has been agreed between the approval holder and COPRO. Any changes to the FPC or the product shall only be made following approval by COPRO.

The results of FPC are recorded and evaluated. These records include but are not limited to:

- Product specification and designation, basic materials and components
- Type(s) of Control testing
- Date of manufacture of the product and date of testing of the product or basic material and components;
- Result of control and testing and, if appropriate, comparison with requirements;
- Signature of the person responsible for FPC

These records shall be presented to COPRO upon request.

### **6.2 Tasks of Notified Bodies**

#### **6.2.1 Initial Inspection of Factory and of Factory Production Control**

The Notified Body shall ascertain that, in accordance with the Control Plan, the factory and the factory production control are suitable to ensure continuous and orderly manufacturing of the product according to the specifications mentioned in Section 1, as well as in Section 4 in this European Technical Assessment.

#### **6.2.2 Continuous Surveillance**

The Notified Body shall visit the Production Unit/Factory at least once a year for regular inspection. It shall be verified that the system of factory production control and the specified manufacturing process is maintained in accordance with this European Technical Assessment and the Control Plan.

Continuous surveillance and assessment of factory production control shall be performed according to the Control Plan.

The results of product certification and continuous surveillance shall be made available on demand by the certification body or inspection body, respectively, to COPRO. In cases where the provisions of this European Technical Assessment and the prescribed test plan are no longer fulfilled, the conformity certificate shall be withdrawn.

---

<sup>5</sup> The Control Plan has been deposited at COPRO and is only made available to the Approved Bodies involved in the AVCP procedure

## Bibliography

|                    |   |
|--------------------|---|
| EAD 230008-00-0106 | Double Twisted steel wire mesh Reinforced or not with Ropes   |
| EN 10204           | Metallic products. Types of inspection documents  |
| EN 10218-1         | Steel wire and wire products. General. Part 1: Test methods   |
| EN 10218-2         | Steel wire and wire products. General. Part 2: Wire dimensions and tolerances   |
| EN 10223-3         | Steel wire and wire products for fencing and netting. Part 3: Hexagonal steel wire mesh products for civil engineering purposes |
| EN 10244-1         | Steel wire and wire products. Non-ferrous metallic coatings on steel wire. Part 1: General principles                           |
| EN 10244-2         | Steel wire and wire products. Non-ferrous metallic coatings on steel wire. Part 2: Zinc or zinc alloy coatings                  |
| EN 10245-1         | Steel wire and wire products. Organic coatings on steel wire. Part 1: General rules   |
| EN 10245-2         | Steel wire and wire products. Organic coatings on steel wire. Part 2: PVC finished wire   |
| EN 10245-5         | Steel wire and wire products. Organic coatings on steel wire. Part 5: Polyamide coated wire                                     |
| EN 10264-1         | Steel wire and wire products. Steel wire for ropes. Part 1: General requirements  |
| EN 10264-2         | Steel wire and wire products. Steel wire for ropes. Part 2: Cold drawn non alloy steel wire for ropes for general applications  |
| EN ISO 9223        | Corrosion of metals and alloys. Corrosivity of atmospheres. Classification, determination and estimation                        |
| ISO 17746          | Steel wire rope net panels and rolls – Definitions and specifications   |

UBAtc asbl is a non-profit organization according to Belgian law. It is a Technical Assessment Body notified by the Belgian notifying authority, the Federal Public Services Economy, SMEs, Self-Employed and Energy, on 17 July 2013 in the framework of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC and is member of the European Organisation for Technical Assessment, EOTA ([www.eota.eu](http://www.eota.eu)).

This European Technical Assessment has been issued by UBAtc asbl on the basis of the technical work carried out by the Assessment Operator, COPRO.

On behalf of UBAtc asbl,

On behalf of the Assessment Operator,  
COPRO, responsible for the technical  
content of the ETA,



Eric Winnepenninckx,  
secretary general



Benny De Blaere,  
director



Dirk Van Loo,  
CEO COPRO

The most recent version of this European Technical Assessment may be consulted on the UBAtc website ([www.butgb-ubatc.be](http://www.butgb-ubatc.be)).