

## TECHNICAL DATA SHEET

### Rolled Cable Net QUAROX<sup>®</sup> 0/6.5/275

#### QUAROX<sup>®</sup> cable net <sup>1)</sup>

|                             |  |
|-----------------------------|--|
| Diagonal:                   | $x \cdot y = 390 \cdot 400 \text{ mm (+/- 5\%)}$ |
| Mesh width:                 | $D_i = 275 \text{ mm (+/- 5\%)}$                 |
| Angle of mesh:              | $\epsilon = 85 \text{ degrees}$                  |
| No. of meshes longitudinal: | $n_l = 2.5 \text{ pcs/m}$                        |
| No. of meshes transversal:  | $n_q = 2.6 \text{ pcs/m}$                        |

#### QUAROX<sup>®</sup> Corrosion protection <sup>2) 3)</sup>

|                       |                                    |
|-----------------------|------------------------------------|
| Corrosion protection: | GEOBRUGG SUPERCOATING <sup>®</sup> |
| Compound:             | 95% Zn / 5% Al                     |
| Coating:              | min. $150 \text{ g/m}^2$           |

#### Load capacity

|                                       |   |
|---------------------------------------|---|
| Tensile strength of net longitudinal: | $z_l \geq 100 \text{ kN/m}^2$ <sup>4)</sup> |
|---------------------------------------|---|

<sup>1)</sup> according to EN 10223-6

<sup>2)</sup> according to EN 10244-2

<sup>3)</sup> according to EN ISO 9227

<sup>4)</sup> referring to LGA test report 08/2011

<sup>5)</sup> according to EN 10218

<sup>6)</sup> according to EN 10264-2 / EN 10016-1 and -2

#### QUAROX<sup>®</sup> Steel wire

|                               |   |
|-------------------------------|---|
| Wire diameter:                | $D_w = 3.0 \text{ mm}$ <sup>5)</sup>          |
| Tensile strength steel wire:  | $f_t \geq 1'770 \text{ N/mm}^2$ <sup>6)</sup> |
| Material:                     | high-tensile steel wire                       |
| Tensile resistance of a wire: | $Z_w = 12.5 \text{ kN}$                       |

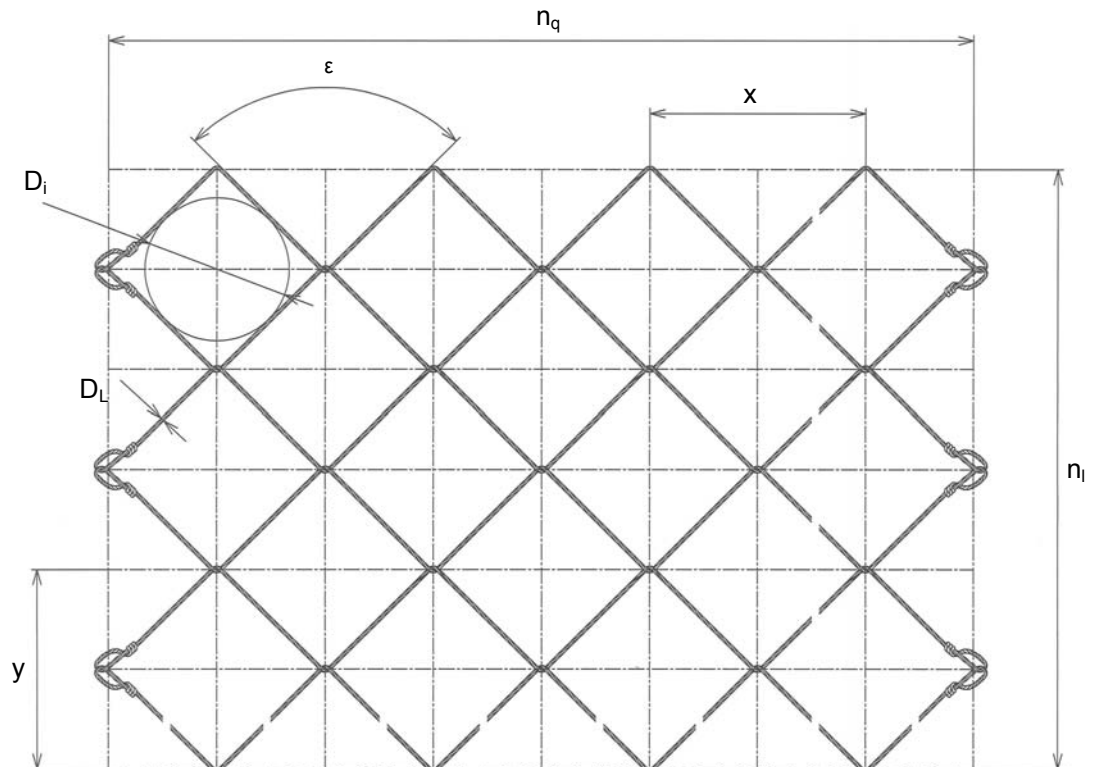
#### QUAROX<sup>®</sup> Steel strand

|                          |                        |
|--------------------------|------------------------|
| Diameter of spiral rope: | $D_L = 6.5 \text{ mm}$ |
| Construction:            | 1 x 3                  |

#### QUAROX<sup>®</sup> Net standard roll

|                           |                                     |
|---------------------------|-------------------------------------|
| Roll width:               | $b_{\text{Roll}} = 3.5 \text{ m}$   |
| Roll length:              | $l_{\text{Roll}} = 30 \text{ m}$    |
| Total surface per roll:   | $A_{\text{Roll}} = 105 \text{ m}^2$ |
| Weight per $\text{m}^2$ : | $g = 1.3 \text{ kg/m}^2$            |
| Weight per roll:          | $G_{\text{Roll}} = 140 \text{ kg}$  |
| Net edges:                | Mesh ends knotted                   |

QUAROX<sup>®</sup> 0/6.5/275



Rockfall, slides, mudflows and avalanches are natural events and therefore cannot be calculated. This is why it is impossible to determine or guarantee absolute safety for persons and property with scientific methods. This means that to provide the protection we strive for, it is imperative to maintain and service protective systems regularly and appropriately. Moreover, the degree of protection can be diminished by events that exceed the absorption capacity of the system as calculated to good engineering practice, failure to use original parts or corrosion (i.e., from environmental pollution or other outside influences).