CE European Technical Approval ETA-17/0114

BRUGG Geobrugg

TECHNICAL DATA SHEET
Rolled Cable Net QUAROX® 0/6.5/275

QUAROX® cable net [1]	
Diagonal:	x · y = 15.4 · 15.7 in (+/- 5%)
Mesh width:	D_i = 10.8 in (+/- 5%)
Angle of mesh:	ε = 85 degrees
No. of meshes longitudinal:	n_l = 2.5 pcs/m
No. of meshes transversal:	n_q = 2.6 pcs/m

QUAROX® Corrosion protection [2] [3]	
Corrosion protection:	GEOBRUGG SUPERCOATING
Compound:	95 % Zn / 5% Al
Coating:	min.0.0256 lb/ft²

Load capacity	
Tensile strength of net longitudinal:	z_l ≥ 6.8 kips/ft [4]

[1] according to EN 10223-6

[2] according to EN 10244-2

[3] according to EN ISO 9227

[4] referring to LGA test report 08/2011

[5] according to EN 10218

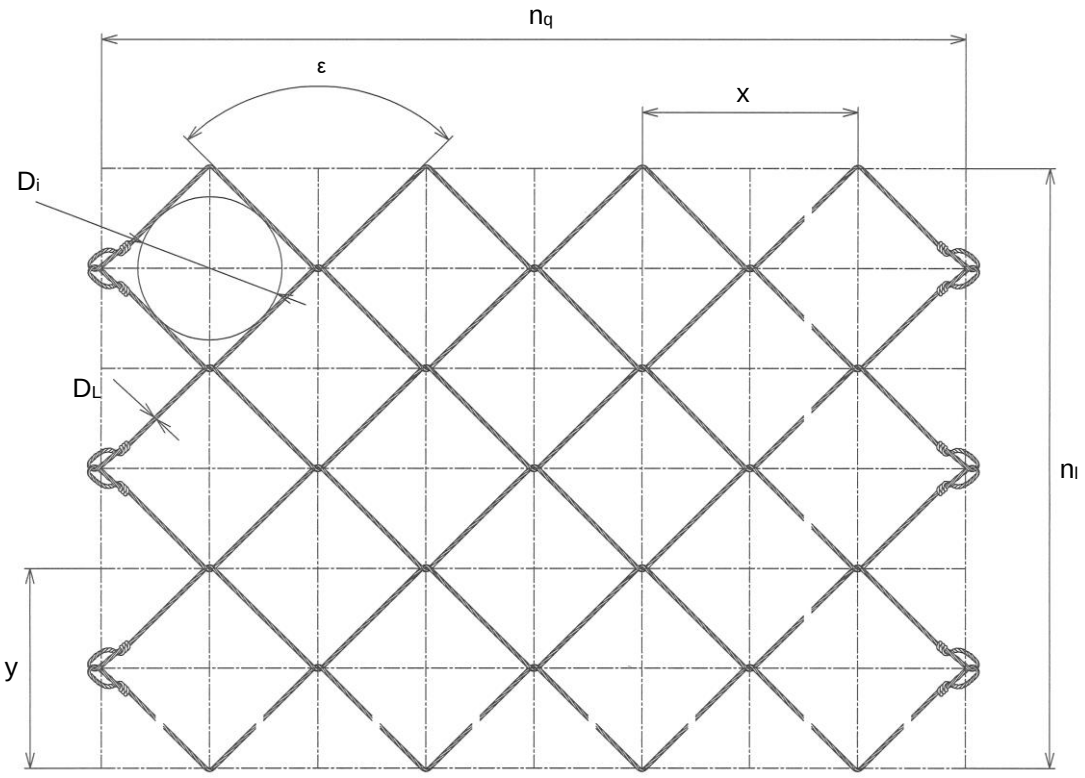
[6] according to EN 10264-2 / EN 10016-1 and -2

QUAROX® Steel wire	
Wire diameter:	D_w = 0.118 in [5]
Tensile strength steel wire:	f_t ≥ 256 ksi [6]
Material:	high-tensile steel wire
Tensile resistance of a wire:	Z_w ≥ 2.8 kips

QUAROX® Steel strand	
Diameter of spiral rope:	D_L = 0.256 in
Construction:	1 x 3

QUAROX® Net standard roll	
Roll width:	b_{Roll} = 12.8 ft
Roll length:	l_{Roll} = 98.4 ft
Total surface per roll:	A_{Roll} = 1260 ft²
Weight per ft²:	g = 0.266 lb/ft²
Weight per roll:	G_{Roll} = 335 lbs
Net edges:	mesh ends knotted

QUAROX® 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).