

Slope stabilization systems TECCO® / SPIDER® : The important facts



TECCO® / SPIDER®	TECCO® G65/2	TECCO® G65/3	TECCO® G65/4	SPIDER® S3-130
ETA certificate no.	ETA-13/0404	ETA-13/0405	ETA-13/0406	ETA-13/0477
CE no.	1301-CPD-0898	1301-CPD-0899	1301-CPD-0900	1301-CPD-0913
Wire diameter	2.0 mm	3.0 mm	4.0 mm	3.0 mm
Spiral wire diameter 1 x 3	-	-	-	6.5 mm
Tensile strength of wire	≥ 1770 N/mm ²	≥ 1770 N/mm ²	≥ 1770 N/mm ²	≥ 1770 N/mm ²
Corrosion protection	GEOBRUGG ULTRACOATING®	GEOBRUGG SUPERCOATING®	GEOBRUGG SUPERCOATING®	GEOBRUGG SUPERCOATING®
Mesh width	65 mm	65 mm	63 mm	143 mm
Number of meshes, top to bottom	7.0 pcs/m	7.0 pcs/m	7.2 pcs/m	3.3 pcs/m
Number of meshes, side to side	12.0 pcs/m	12.0 pcs/m	12.0 pcs/m	5.6 pcs/m
Tensile strength of mesh, longitudinally (for the purposes of comparison only – not for use in dimensioning)	≥ 65 kN/m in accordance with LGA test report 01/2014	≥ 150 kN/m in accordance with LGA test report 01/2014	≥ 250 kN/m in accordance with LGA test report 01/2014	≥ 220 kN/m in accordance with LGA test report 01/2014
TECCO® / SPIDER® roll				
Roll edges	Mesh ends knotted and twisted	Mesh ends knotted and twisted	Mesh ends knotted and twisted	Mesh ends knotted and twisted
Roll width	3.5 m	3.5 m	3.5 m	3.5 m
Roll length	40 m	30 m	20 m	20 m
Total area per roll	140 m ²	105 m ²	70 m ²	70 m ²
Weight per m ²	0.74 kg/m ²	1.65 kg/m ²	3.3 kg/m ²	2.60 kg/m ²
Weight per roll	104 kg	175 kg	231 kg	182 kg
Load-bearing resistance for load transfer (for use in dimensioning)	P33 spike plate	P33 / P66 spike plates	P33 / P66 spike plates	P33 / P66 spike plates
Load-bearing resistance of mesh to tensile loads parallel to the slope and concentrated at certain points (Z_R)	10 kN	30 kN / 45 kN	50 kN / 75 kN	45 kN / 70 kN
Load-bearing resistance of mesh to perforations parallel to the nails ($2 \cdot P_R$)	80 kN	180 kN / 240 kN	280 kN / 370 kN	230 kN / 300 kN
Load-bearing resistance of the mesh to shearing at the top edge of the spike plate (P_R)	40 kN	90 kN / 120 kN	140 kN / 185 kN	115 kN / 150 kN
Service life*				
Climatic category C2: temperate, rural areas in accordance with EN ISO 12944-2 and ISO 9223	> 120 years	90–120 years	90–120 years	90–120 years