

TECHNICAL DATA SHEET

**High-tensile steel wire mesh TECCO® G65/3**

TECCO® high-performance steel wire mesh	
Mesh shape:	rhomboid
Diagonal:	$x \cdot y = 83 \cdot 143 \text{ mm (+/- 5\%)}$
Mesh width:	$D_i = 65 \text{ mm (+/- 5\%)}$
Angle of mesh:	$\epsilon = 49^\circ$
Total height of mesh:	$h_{tot} = 11.0 \text{ mm (+/- 1 mm)}$
Clearance of mesh:	$h_i = 5.0 \text{ mm (+/- 1 mm)}$
Number of meshes longitudinal:	$n_l = 7 \text{ pcs/m}$
Number of meshes transversal:	$n_q = 12 \text{ pcs/m}$

TECCO® steel wire	
Wire diameter:	$d = 3.0 \text{ mm}$
Tensile strength:	$f_t \geq 1770 \text{ N/mm}^2$
Material:	high-tensile steel wire
Tensile resistance of a wire:	$Z_w = 12.5 \text{ kN}$

TECCO® corrosion protection **)	
Corrosion protection:	GEOBRUGG SUPERCOATING
Compound:	95% Zn / 5% Al
Coating:	min. 150 g/m <sup>2</sup>
≤ 5% dark brown rust in salt spray test according to EN ISO 9227:	2'500 hours (ETA-17/0118)

Load capacity (standard version)	
Tensile strength of mesh:	$z_k \geq 150 \text{ kN/m}^*$
Bearing resistance against puncturing:	$D_R \geq 180 \text{ kN} / 240 \text{ kN}^*$
Bearing resistance against shearing-off:	$P_R \geq 90 \text{ kN} / 120 \text{ kN}^*$
Bearing resistance against slope-parallel tensile stress:	$Z_R \geq 30 \text{ kN} / 45 \text{ kN}^*$
Elongation in longitudinal tensile strength test:	$\delta < 6.0 \%$ *)
Classification according to EAD 230025-00-0106	group 2, class A (P33 and P66)

TECCO® mesh roll	
Roll width:	$D_{Roll} = 3.5 \text{ m}$
Roll length:	$l_{Roll} = 30 \text{ m}$
Total surface per roll:	$A_{Roll} = 105 \text{ m}^2$
Weight per m <sup>2</sup> :	$g = 1.65 \text{ kg/m}^2$
Weight per mesh roll:	$G_{Roll} = 175 \text{ kg}$
Mesh edges:	mesh ends knotted

\*) As in EAD 230025-00-0106 and referring to TÜV Rheinland LGA test report 01/2014 using spike plate P33 / P66

\*\*\*) Next to the standard version with Zn/Al coating, the high-tensile steel wire mesh is also available in stainless steel (INOX) in 1.4462 (AISI 318) sea water resistant quality.

TECCO® G65/3

