

**DECLARATION OF PERFORMANCE**

Nr. 6188-1

Product group: 6188 Terrace screws, steel+Ruspert

Intended use: Load bearing timber structures

Company contact address: Ferrometal Oy  
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FINLAND  
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AVCP System: Class 3

ITT tested by: Strojírenský zkušební ústav, s.p. (Notified Body No. 1015)

ITT report no: E-30-20145-13

Declared performance:

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance and stability	See Table 1	EN 14592:2008+A1:2012
Safety in case of fire	NPD	
Hygiene, health and the environment	NPD	
Safety and accessibility in use	NPD	
Protection against noise	NPD	
Energy economy and heat retention	NPD	
Sustainable use of natural resources	NPD	

Table 1:

Product	characteristic yield moment $M_{y,k}$ [Nmm]		characteristic withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ]		characteristic head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]	characteristic tensile capacity $f_{tens,k}$ [kN]	characteristic torsional ratio
	thread section	smooth section	loading across the fibre	loading along the fibre			
-	-	-	-	-	-	-	-
Terrace screw ø 4.2 mm	4 373	-	17,86 <sup>1)</sup>	13,96 <sup>1)</sup>	21,67 <sup>1)</sup>	6,65	2,85
Terrace screw ø 4.8 mm	8 852	11 272	20,03 <sup>2)</sup>	15,67 <sup>2)</sup>	19,38 <sup>2)</sup>	8,72	2,44
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-		480 <sup>1)</sup> , 485 <sup>2)</sup>		500 <sup>1)</sup> , 505 <sup>2)</sup>	-	450
Durability (i.e. corrosion protection)	carbon steel C1018/C1022, ruspert brown or green (Service Class 3 acc. to EN 1995-1-1)						

 Place and date of issue: Nurmijärvi 30.6.2013

 Name and function: Jani Koskinen, Product Manager

Signature: \_\_\_\_\_

