



Declaration of Performance



25.11.2021

Document No.: 82977-50259-101
Item No.: 501082977
Description: Decking screw, brown Ruspert coating
Diameter: 4,5mm
Length: 55 mm
Type of recess: Torx
Thread: Partial; saw thread; millings ribs on shank
Head: Double flat head
Point: Type 17 cutting edge
Intended use: Structural timber products
Material: Stainless steel 410
Assessment system: System 3+
Report No.: 1015-CPR-30-15721/JZ
Certificate No.: CPR-J-01987-21
Notified body / test laboratory: Strojírenský zkušební ústav s.p. N.B. 1015
Declaration of Performance of construction product

Essential characteristics	Performance		Density of wood (kg/m3)	Harmonized technical specification
Nominal diameter (mm)	4.25-4.50			EN 14592:2008+A1:2012
Inner thread diameter (mm)	2.7-3.0			EN 14592:2008+A1:2012
Head diameter (mm)	8.64-9.00			EN 14592:2008+A1:2012
Total length (mm)	53.5-55.0			EN 14592:2008+A1:2012
Thread length (mm)	24-27			EN 14592:2008+A1:2012
Yield moment (Nmm) (I ₂ =1d)	3 903			EN 14592:2008+A1:2012
Tensile capacity (kN)	6.84			EN 14592:2008+A1:2012
Head pull-through parameter (N/mm ²)	24.26		350	EN 14592:2008+A1:2012
Withdrawal parameter (N/mm ²)	Perpendicular to the grain	14.77	350	EN 14592:2008+A1:2012
	Parallel to the grain	12.24	350	EN 14592:2008+A1:2012
Torsional ratio (Nm)	2.6		450	EN 14592:2008+A1:2012
Durability	Stainless Steel 410 Service Class 3			EN 1995-1-1

The manufacturer declares for:

The product is in accordance with EN 14592:2008+A1:2012, Timber structures-Dowel-type fasteners-Requirements.

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