Declaration of Performance

Declaration of performance no.:	DOP-38802-2013
1. Unique identification code of the product type:	SDCS 50
2. Intended use or uses:	For structural timber products
3. Manufacturer:	DOMAX Sp. z o.o. Łężyce, al. Parku Krajobrazowego 109 84-207 Koleczkowo, Polska
4. Authorized representative:	nd
5. System(s) for assessment and verification of constancy of performance:	3
6. European Assessment Document:	$EAD
European technical assessment:	
Technical evaluation unit:	$JEDNOSTKA_NAZWA
Notified body or bodies:	$JEDNOSTKA_NR

7. Declared Performance

Essential characteristics	Performance characteristics
Mechanical strength and durability	
Dimensions	Wkręt CS 5x50 + Nakrętka M10 ISO 4161
Characteristic plasticizing moment of the smooth part (Nmm)	10 600
Characteristic plasticization torque of the threaded part (Nmm)	6 500
Characteristic pullout strength radial to wood fiber fax,k (N/mm2)	17,85 (g=450 kg/m3)
Characteristic pullout strength tangentially to wood fibers fax,k (N/mm2)	-
Characteristic pullout strength along wood fibers fax,k (N/mm2)	-
Characteristic tensile strength of the head radially to the fiber fhead,k (N/mm2)	14,15 (g=450 kg/m3)
Characteristic resistance to pulling the head tangentially to the wood fibers fhead,k (N/mm2)	-
Specific tensile strength ftens,k (kN)	8,40
Characteristic yield strength (MPa)	973.5
Characteristic torsional strength ftor,k (Nm)	5,85
Screw-in torque (Nm)	1,70
Characteristic torsion factor ftor,k/Rtor,k	3,45
Bending angle	22°08'
Corrosion resistance	Fe/Zn 12c
Safety in case of fire	
Response to fire	A1

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Marek Dobrowolski

Łężyce, 2018-12-11

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