Declaration of Performance

Declaration of performance no.:	DOP-310205-2019
1. Unique identification code of the product type:	CS 45050
2. Intended use or uses:	For connecting wooden load-bearing structures with wooden elements
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 130118-01-0603 (2019)
European technical assessment:	ETA 16/0156 (01.08.2026 r.)
Technical evaluation unit:	Technický a zkušební ústav stavební Praha
Notified body or bodies:	1020

7. Declared Performance

Essential characteristics	Performance characteristics
Mechanical strength and durability	
Dimensions	4,5x50
Characteristic plasticizing moment of the smooth part (Nmm)	6420
Characteristic plasticization torque of the threaded part (Nmm)	1480
Characteristic pullout strength radial to wood fiber fax,k (N/mm2)	11,54 (g=350 kg/m3)
Characteristic pullout strength tangentially to wood fibers fax,k (N/mm2)	12,21 (g=350 kg/m3)
Characteristic pullout strength along wood fibers fax,k (N/mm2)	6,37 (g=350 kg/m3)
Characteristic tensile strength of the head radially to the fiber fhead,k (N/mm2)	14,59 (g=380 kg/m3)
Characteristic resistance to pulling the head tangentially to the wood fibers fhead,k (N/mm2)	14,15 (g=380 kg/m3)
Specific tensile strength ftens,k (kN)	5,94
Characteristic yield strength (MPa)	782.3
Characteristic torsional strength ftor,k (Nm)	3,40
Screw-in torque (Nm)	0,88
Characteristic torsion factor ftor,k/Rtor,k	3,85
Bending angle	38°81'
Corrosion resistance	Fe/Zn 12c
Safety in case of fire	
Response to fire	A1

The performance of the product identified above is consistent with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer:

Marek Dobrowolski

Łężyce, 14.08.2026 r.

President of the Company's Board

