Declaration of Performance

Declaration of performance no.:	DOP-4940045-2021
1. Unique identification code of the product type:	PSOL 45
2. Intended use or uses:	Connections in load-bearing timber structures
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:	2+
6. European Assessment Document:	EAD 130186-00-0603 (2018)
European technical assessment:	ETA 20/1044 (26.11.2023 r.)
Technical evaluation unit:	Technický a zkušební ústav stavební 1020
Factory Production Control:	Instytut Techniki Budowlanej 1488
Certificate:	1488-CPR-0122/Z

7. Declared Performance

Essential characteristics	Performance characteristics
Mechanical strength and durability	
Connection strength	
Load capacity NRd,v [kN] - Load with vertical force directed downwards	
Wood N Rk, V, w	11,6 kN
Steel N Rd, V, s	36 kN
Maximum load NRd, H1 [kN] - Load with a horizontal force parallel to the bolt axis	
Wood N Rk, H1, w	8,1 kN
Steel N Rd, H1, s	0,76 kN
Maximum load NRd, H2 [kN] - Load with a horizontal force perpendicular to the bolt axis	
Wood N Rk, H2, w	4 kN
Steel N Rd, H2, s	8,1 kN
Joint stiffness	NPA
Plasticity of the joint	NPA
Seismic resistance	NPA
Resistance to corrosion and deterioration	NPA
Safety in case of fire	
Response to fire	A1
Fire resistance	NPA

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, 2021-04-21

President of the Company's Board

