



DECLARATION OF PERFORMANCE
DoP No: 15 / 3606-T2 / 25.06.2026

Teollisuustie 7, FI-15540 Villähde. Finland
tel. +358 50 555 3165, www.ristek.fi

- 1** Product type
Connector plate
- 2** Product identification
LL20
- 3** Intended Use
Punched metal plate fasteners for structural timber products
- 4** Manufacturer
Ristek Oy, Teollisuustie 7, FIN-15540 Villähde, FINLAND e-mail: sales@ristek.fi
- 5** Authorized representative
 - OÜ Teemu-E, Peterburi mnt 71
EE 11415 Tallinn Estonia. e-mail: teemu@teemu.ee
 - UAB Metalistas LT, Šermukšnių g. 19
LT-35113 Panevėžys Lietuva, e-mail: jolanta.berkloviene@metalistas.lt
- 6** Attestation of Conformity System
AVCP Class 2+
- 7** Technical specification -hEN
Initial assessment of FCP
Certificate of factory production control (FPC)
Harmonized Standard
0809 Eurofins Expert Services Oy
0809 – CPR – 1134
EN 14545: 2008
- 8** Declared performance
See table on page 2
- 9** The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by: Ristek Oy

Kimmo Kontti, Managing director

Villähde 25.06.2026



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9 Declared performance

Essential characteristics	Performance	Harmonised technical specification
Steel	S350GD+Z275-M-A	EN 10346: 2009
Yieldstrength (min)	350 MPa	
Ultimate elongation A ₈₀	16 %	
Durability, corrosionprotection	Hot-dip zinc coating Z275	
Thickness	2,0 mm	
Characteristic plate anchorage capacity for solid timber C24 and glued laminated timber GL30c Characteristic density C24 $\rho_k=350$ kg/m ³ and GL30c $\rho_k = 390$ kg/m ³ Thickness ≥ 48 mm	$f_{a,0,0,k} = 2,71$ N/mm ² $f_{a,90,90,k} = 1,70$ N/mm ² $k_1 = -0,013$ $k_2 = -0,010$ $\alpha_0 = 36^\circ$	EN 14545: 2008
Characteristic plate anchorage capacity for Kerto-S-LVL Characteristic density $\rho_k = 480$ kg/m ³ Thickness ≥ 45 mm	$f_{a,0,0,k} = 3,94$ N/mm ² $f_{a,90,90,k} = 2,08$ N/mm ² $k_1 = -0,020$ $k_2 = -0,011$ $\alpha_0 = 31^\circ$	
Characteristic plate anchorage capacity forKerto-T-LVL:ää Characteristic density $\rho_k = 480$ kg/m ³ Thickness ≥ 39 mm	$f_{a,0,0,k} = 3,62$ N/mm ² $f_{a,90,90,k} = 2,08$ N/mm ² $k_1 = -0,020$ $k_2 = -0,011$ $\alpha_0 = 31^\circ$	
Charasteristic plate tension, compression and shear capacity	$f_{t,0,k} = 482$ N/mm $f_{c,0,k} = 211$ N/mm $f_{v,0,k} = 157$ N/mm $f_{t,90,k} = 186$ N/mm $f_{c,90,k} = 134$ N/mm $f_{v,90,k} = 128$ N/mm $\gamma_0 = 16^\circ$ $k_v = 0,22$	
Instantaneous rotational stiffness for solid timber and glued laminated timber (corresponding EN 14545:2008 slip modulus k_{ser} , with timber dencity $\rho_m = 430$ kg/m ³)	$K_{F,ser} = 4,5$ N/mm ³	
Corresponding value for Kerto-S-LVL (EN 14374)	$K_{F,ser} = 5,4$ N/mm ³	
Nail root ductility	Passed	
Service Class	2	EN 1995-1-1