



DECLARATION OF PERFORMANCE

No: DoPGNT150SK

Issue: 2016-02-08

1. Product type

MiTek GNT-150SK, FSP Connector plate

2. Product identification

Label on box: **GNT-150SK** Label on steel: **GNT-150 S-K**

3. Intended Use

Punched metal plate fastener /nailing plate, for structural timber products

4. Manufacturer

MiTek Industries AB, Stoerydsvägen 7, SE-573 23 Tranås Sweden, tel. +46 140 385050

e-mail: info@mitetekab.se

5. Authorized representative: N/A

6. Attestation Of Conformity System

AVCP Class 2+

7. Technical specification - hEN

Harmonized Standard

EN 14545:2008

Certificate of factory production control (FPC)

0402-CPR-SC0950-09

Initial assessment of FPC

0402 SP Technical Research Institute of Sweden

Continuous assessment of FPC

0402 SP Technical Research Institute of Sweden

8. Technical specification - ETA: N/A

9. Declared performance

See table on page 2

- 10.** The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by: Mitek Industries AB

Tranås 2016-02-08

Technical manager Scandinavia

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9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Steel	H340LAD + Z275	EN 10346:2009
Thickness	1.5 mm	EN 14545:2008
Characteristic plate anchorage capacity / Solid and glued laminated timber with characteristic density of $\rho_k = 350 \text{ kg/m}^3$	$f_{a,0,0} = 2.67 \text{ N/mm}^2$ $f_{a,90,90} = 1.56 \text{ N/mm}^2$ $k_1 = -0.012$ $k_2 = -0.008$ $\alpha_0 = 30^\circ$	
Characteristic plate tension, compression and shear capacity	$f_{t,0} = 335 \text{ N/mm}$; $f_{t,90} = 131 \text{ N/mm}$ $f_{c,0} = 90 \text{ N/mm}$; $f_{c,90} = 96 \text{ N/mm}$ $f_{v,0} = 98 \text{ N/mm}$; $f_{v,90} = 92 \text{ N/mm}$ $\gamma_0 = 17^\circ$; $k_v = 0.53$	
Slip modulus with mean timber density $\rho_k = 390 \text{ kg/m}^3$	$k_{ser,mean} = 5.0 \text{ N/mm}^3$	
Nail root ductility	Passed	
Minimum timber thickness	35mm	
Durability, Corrosion protection	Z275 Hot-dip zinc coating	
Service Class	2	EN1995-1-1