DECLARATION OF PERFORMANCE

According to Annex III of Regulation (EU) No 305/2011 for the product
"MiTek Punched metal plate fastener"

Nr: DoPTopW

(Issue: 12.05.2025)

1. **Identification code of the product-type**

   TopW

2. **Intended use**

   Punched metal plate fasteners for structural timber products

3. **Manufacturer**

   MiTek Industries Limited, MiTek House, Grazebrook Industrial Park, Peartree Lane, Dudley, West Midlands, DY2 0XW, United Kingdom tel. +44-384-451400, e-mail: info@mitek.co.uk

4. **Authorised representative**

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5. **System/s of AVCP**

   System 2+

6. **Harmonised standard – hEN; EN 14545:2008**

   NB 0402. RISE Research Institutes, Brinellgatan 4, SE 504 62 Borås, Sweden
   (production site – MiTek Industries AB, Fredriksbergsgatan 1, SE 573 92, Tranås, Sweden)

7. **Declared performance**

Essential characteristics	Performance
Mechanical Strength and Stiffness	
Characteristics plate anchorage capacity for solid timber with a characteristic density of ρ_k = 380 kg/m^3	$f_{a,0,0}$ = 3,65 N/mm^2 $f_{a,90,90}$ = 1,96 N/mm^2 k_1 = 0,006 k_2 = -0,025 α_0 = 42,0°
Characteristic plate tension, compression and shear capacity	$f_{t,0}$ = 252 N/mm; $f_{t,90}$ = 181 N/mm $f_{c,0}$ = 119 N/mm; $f_{c,90}$ = 131 N/mm $f_{v,0}$ = 116 N/mm; $f_{v,90}$ = 84 N/mm γ_0 = 14,0°; k_v = 0,71
Slip modulus with mean timber density ρ_m = 420kg/m^3	$k_{ser,\ mean}$ = 9,4 N/mm^3
Nail root ductility	Passed
Durability (i.e. corrosion protection)	
Corrosion protection	Z275, Hot-dip zinc coating
Service class	2

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

Signed for and on behalf of the manufacturer by: **MiTek Industries Ltd**

Name: J P Marcroft, Head of Engineering UK & Ireland

Signature: JP Marcroft **12.05.2025**