



Declaration of Performance

10564751



BS EN 14592/A1

- 1. Unique identification code of the product-type: **TIL-R Nail Fuel Pack – Circular smooth shank D-Head nails for structural timber products**
Diameter = 3.1 mm Length = 50 – 90 mm
- 2. Product type: Wire welded, paper and plastic collated nails for nailing tools
- 3. Intended use: For load-bearing wooden structures
- 4. Manufacturer: TIL-R, Harding Way, St Ives, Cambridgeshire PE27 3YJ
www.til-r.co.uk info@til-r.co.uk
- 5. Authorised representative: **N/A**
- 6. System of assessment: 3
- 7. Notified Body/Test Laboratory: Notified Body 2389
TRADA Technology Ltd Trading as BM TRADA
Chiltern House
Stocking Lane
Hughenden Valley
High Wycombe
HP14 4ND

Performed determination of the product-type under system 3 and issued test/calculation reports.

- 8. N/A
- 9. Declared performance: Characteristic values are calculated or tested according to BS EN 14592:2008 + A1:2012

Properties of the material used:	
Non alloy wire rod in accordance with BS EN 10016-1 to 4	
Tensile strength in accordance with BS EN 10218-1, minimum 700 N/mm ²	
Characteristic mechanical properties:	
Yield moment	M_{y,k} = 4290 Nmm
Withdrawal strength parallel to grain: Timber: minimum characteristic density of 310 kg/m ³	f_{ax,0,k} = 2.11 N/mm²
Withdrawal strength perpendicular to grain: Timber: minimum characteristic density of 310 kg/m ³	f_{ax,90,k} = 5.77 N/mm²
Head pull-through parameter: In OSB/3 with thickness ≥9 mm	f_{head,k} = 17.93 N/mm²
Tensile capacity:	f_{tens,k} = 3.13 kN
Durability (Corrosion Protection):	
HDG (Hot Dipped Galv.) min 50µm -	
Service Class 3 acc. To EN1995-1-1	

- 10. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of the manufacturer by:

Andrew Wakelin
Managing Director
SIG UK Exteriors
June 2017

