



Declaration of Performance

10564742



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 = 65 – 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](http://www.til-r.co.uk)    [info@til-r.co.uk](mailto: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 EN 14592:2008 and A1:2012

<b>Properties of the material used:</b>	
Non alloy wire rod in accordance with EN 10016-1 to 4	
Tensile strength in accordance with EN 10218-1, minimum 700 N/mm <sup>2</sup>	
<b>Characteristic mechanical properties:</b>	
Yield moment	<b>M<sub>y,k</sub> = 4885 Nmm</b>
Withdrawal strength parallel to grain: Timber: minimum characteristic density of 310 kg/m <sup>3</sup>	<b>f<sub>ax,0,k</sub> = 3.85 N/mm<sup>2</sup></b>
Withdrawal strength perpendicular to grain: Timber: minimum characteristic density of 310 kg/m <sup>3</sup>	<b>f<sub>ax,90,k</sub> = 6.12 N/mm<sup>2</sup></b>
Head pull-through parameter: In OSB/3 with thickness ≥9 mm	<b>f<sub>head,k</sub> = 16.12 N/mm<sup>2</sup></b>
Tensile capacity:	<b>f<sub>tens,k</sub> = 3.62 kN</b>
<b>Durability (Corrosion Protection):</b>	
Bright – Service Class 1 or	
Galv < 12mμ Service Class 1 or	
Galv 12 mμ Service Class 2 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

