

## Declaration of Performance 5037-0769

1. **Round wire nails** in both **Galvanised and Plain** of the following diameter:

**2.65mm, 3.75mm, 4.5mm, 5.6mm and 6.0mm**

2. Batch numbered labels are attached to box or pack to allow batch identification  
3. **Round wire nails** are intended for use in timber structures.  
4. Manufacturer:

**Hexstone Limited t/as Owlett-Jaton,  
Opal Way, Stone,  
Staffordshire ST15 0SW  
Factory 474**

5. Tested to EN 14592:2008 under system 3 by

**Karlsruher Institut für Technologie  
Notified Body NB 0769  
Report number 126254/1-5 19.10.2012**

6. Declared Performance for Essential Characteristics to EN 14592:2008+A1:20012

Nail diameter, d	2.65mm	3.75mm	4.5mm	5.6mm	6.0mm
Min.tensile strength of wire fu	600N/mm <sup>2</sup>	600N/mm <sup>2</sup>	600N/mm <sup>2</sup>	600N/mm <sup>2</sup>	600N/mm <sup>2</sup>
Yield Moment, My,k	2268 Nmm	5594Nmm	8935Nmm	15869Nmm	18905Nmm
Withdrawal parameter, fax,k Pk = 310kg/m <sup>3</sup> (C16) Pk = 350kg/m <sup>3</sup> (C24) Pk = 370kg/m <sup>3</sup> (TR26)	1.92N/mm <sup>2</sup> 2.45N/mm <sup>2</sup> 2.73N/mm <sup>2</sup>	1.92N/mm <sup>2</sup> 2.45N/mm <sup>2</sup> 2.73N/mm <sup>2</sup>	1.92N/mm <sup>2</sup> 2.45N/mm <sup>2</sup> 2.73N/mm <sup>2</sup>	1.92N/mm <sup>2</sup> 2.45N/mm <sup>2</sup> 2.73N/mm <sup>2</sup>	1.92N/mm <sup>2</sup> 2.45N/mm <sup>2</sup> 2.73N/mm <sup>2</sup>
Head pull-through parameter, fhead,k Pk = 310kg/m <sup>3</sup> (C16) Pk = 350kg/m <sup>3</sup> (C24) Pk = 370kg/m <sup>3</sup> (TR26)	6.72N/mm <sup>2</sup> 8.57N/mm <sup>2</sup> 9.58N/mm <sup>2</sup>	6.72N/mm <sup>2</sup> 8.57N/mm <sup>2</sup> 9.58N/mm <sup>2</sup>	6.72N/mm <sup>2</sup> 8.57N/mm <sup>2</sup> 9.58N/mm <sup>2</sup>	6.72N/mm <sup>2</sup> 8.57N/mm <sup>2</sup> 9.58N/mm <sup>2</sup>	6.72N/mm <sup>2</sup> 8.57N/mm <sup>2</sup> 9.58N/mm <sup>2</sup>
Tensile capacity, ftens,k	3.65kN	6.02kN	8.93kN	11.50kN	16.60kN
Material used for production in accordance with EN 10016-2:1994	C10D	C18D	C18D	C18D	C18D
Plain	Service Class 1 according to EN 1995-1-1		Service Class 2 according to EN 1995-1-1		
Galvanised	Service Class 3 according to EN 1995-1-1				

7. The performance of the mentioned products is in conformity with the declared performance given below.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

**John Barker Purchasing Director Owlett-Jaton**

Signature:

*J Barker*

Date:

*29/6/13*