

Declaration of Performance – 5004-1015-486

1. **UNIFX Twin thread woodscrews** in the following sizes diameters:

6g, 8g, 10g, and 12g

2. Batch numbered labels are attached to box or pack to allow batch identification
3. **UNIFX Twin thread woodscrews** in the above diameters are intended for use in load bearing structural timber products.
4. Manufacturer:

**Hexstone Limited t/as Owlett-Jaton,
Opal Way, Stone,
Staffordshire ST15 0SW
Factory 486**

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

**Strojirensky zkusebni ustav, s.p.
Notified Body NB 1015**

Reports:

6g 30-10892/2
8g 30-10892/4
10g 30-10892/5
12g 30-10892/6

6. Declared Performance for the **Twin thread woodscrews** indentified in point 1 is given in Appendix 1.
7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in Appendix 1. This declaration of performance is issued under the sole responsibility of the manufacturer indentified in point 4.

Signed for and on behalf of the manufacturer by:

Signature: *J. Barker*

Place and Date:

*Stone
28/11/2016*

Appendix 1. UNIFIX Twin Thread woodscrew Performance data

Essential Characteristics	Unit	6g	8g	10g	12g
Material		Hardened Carbon Steel C1022 or C10B21			
Characteristic yield moment in thread section	$M_{y,k}$	3.461	5.230	7.049	12.414
Characteristic withdrawal parameter in timber Loading across the fibre	$F_{ax,k}$	19.35	18.21	17.71	17.90
	P_k	350	350	350	350
Characteristic withdrawal parameter in timber Loading along the fibre	$F_{ax,k}$	12.78	12.55	13.30	13.29
	P_k	350	350	350	350
Characteristic head pull-through parameter in timber	$F_{head,k}$	27.02	25.03	24.42	22.25
	P_k	350	350	350	350
Characteristic tensile capacity	$F_{tens,k}$	4.39	7.98	8.50	12.52
Characteristic torsional ratio		2.44	2.14	2.01	2.26
	P_k	450	450	450	450
Durability:		Zinc plated Service condition 1 according to EN 1995-1-1			

Appendix 2. UNIFIX Twin Thread woodscrew Dimensional data

Dimension		Unit	6g (3.5mm)	8g (4.2mm)	10g (4.8mm)	12g (5.5mm)
Head Diameter d _h	Min	mm	6.55	7.93	9.27	10.62
	Max	mm	6.91	8.33	9.75	11.18
Inner Thread Diameter d ₁	Min	mm	2.16	2.77	3.15	3.61
	Max	mm	3.15	3.78	4.32	4.95
Thread Length l _g	≤ 1.1/4"	mm	Full Thread	Full Thread	Full Thread	Full Thread
	1.1/2" & 1.3/4"	mm	30mm	30mm	30mm	30mm
	2."	mm	37mm	37mm	37mm	37mm
	2.1/4"	Mm		37mm	37mm	37mm
	2.1/2" to 3"	Mm		50mm	50mm	50mm
	3.1/2"	Mm			67mm	67mm
4."	Mm			70mm	70mm	