HEXSTONE LIMITED

Opal Way, Stone Business Park,
Stone, Staffs, ST15 0SW.

www.ojtrade.co.uk

Declaration of Performance – 5004-1015

1. **MASTER 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. **MASTER 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 509

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

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

   Reports:
   6g 30-9900/1/1
   8g 30-9900/2/1
   10g 30-9900/3/1
   12g 30-9900/4/1

6. Declared Performance for the **Twin thread woodscrews** indentified is given below.

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: 25/6/13

MASTER Twin Thread woodscrew Performance data under EN14592:2008+A1:2012

Essential Characteristics		Unit	6g	8g	10g	12g
Material			Hardened Carbon Steel C1022 or C10B21			
Characteristic yield moment in thread section	My,k	N/mm^2	2 818	6 034	8 388	13 914
Characteristic withdrawal parameter in timber Loading across the fibre	Fax,k	N/mm^2	18.81	18.7	16.4	16.83
	Pk	Kg/m^3	400	400	400	400
Characteristic withdrawal parameter in timber Loading along the fibre	Fax,k	N/mm^2	10.16	11.86	13.03	12.45
	Pk	Kg/m^3	400	400	400	400
Characteristic head pull-through parameter in timber	Fhead,k	N/mm^2	21.03	19.98	19.80	18.24
	Pk	Kg/m^3	400	400	400	400
Characteristic tensile capacity	Ftens,k	kN	4.52	7.64	8.50	11.18
Characteristic torsional ratio			3.25	3.53	2.29	2.04
	Pk	Kg/m^3	450	450	450	450
Durability:			Zinc plated Service condition 1 according to EN 1995-1-1			
Safety in case of fire according to EN13501-1			Euroclass A1			

MASTER Twin Thread woodscrew Dimensional data

Dimension		Unit	6g (3.5mm)	8g (4.2mm)	10g (4.8mm)	12g (5.5mm)
Head Diameter dh	Min	mm	6.55	7.93	9.27	10.62
	Max	mm	6.91	8.33	9.75	11.18
Inner Thread Diameter d1	Min	mm	2.16	2.77	3.15	3.61
	Max	mm	3.15	3.78	4.32	4.95
Thread Length lg	≤ 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