

Declaration of Performance No. 5037-0769

1. Product Type Dowel type Timber Fasteners - Round Wire Nails
2. Type and Batch Round Wire Nails identified by a Batch No. on the box.
3. Intended Use Structural timber connections
4. Manufacturer Hexstone Ltd t/a Owlett-Jaton, Opal Way, Stone ST15 0SW
Factory number 474 and 517
5. Authorised Representative N/A
6. System of Assessment System 3
7. Technical Assessment and Notified Bodies Test Report Numbers 30-10590/3,5,6,8,9 & 10
Tests carried out by Strojirensky Zkusebni Ustav s.p.
Notified Body No. 1045.1 to EN14592:2008 + A1:2012
8. D o P for ETA N/A

9. Declaration of Performance

Essential Characteristics and Dimensions								
Nominal Diameter	d_{nom}	mm	2.65	3.35	3.75	4.50	5.60	6.00
Head Diameter (Nominal)		mm	6.0	7.5	8.4	9.0	11.2	12.0
Characteristic yield moment	$M_{y,k}$	Nmm	2792	5320	6243	9974	17162	18920
Withdrawal parameter Loading across the fibre	$F_{ax,k}$	N/mm ²	2.95	3.00	2.94	3.39	3.12	3.26
	P_k	kg/m ³	350	350	350	350	350	350
Withdrawal parameter Loading across the fibre	$F_{ax,k}$	N/mm ²	2.07	1.92	1.91	1.89	2.04	1.98
	P_k	kg/m ³	350	350	350	350	350	350
Characteristic Head Pull Through parameter	$f_{head,k}$	N/mm ²	25.28	24.55	25.03	24.74	21.54	21.48
	P_k	kg/m ³	410	430	400	420	440	420
Characteristic tensile capacity	$F_{tens,k}$	kN	3.65	6.02	8.02	8.93	12.95	10.91
Plain	Service Class according to		Class 1					
Galvanised	EN 1995-1-1		Class 3					

(Galvanised to min 25µm)

The previous performance relates to the following product range


Plain		
Size	Diameter	Length
2.65 x 40	2.65	40.0
2.65 x 50	2.65	50.0
2.65 x 60	2.65	60.0
2.65 x 65	2.65	65.0
3.75 x 75	3.75	75.0
4.5 x 100	4.50	100.0
5.6 x 125	5.60	125.0
6.0 x 150	6.00	150.0

Galvanised		
Size	Diameter	Length
2.65 x 40	2.65	40.0
2.65 x 50	2.65	50.0
2.65 x 65	2.65	65.0
3.75 x 75	3.75	75.0
4.5 x 100	4.50	100.0
5.6 x 125	5.60	125.0
6.0 x 150	6.00	150.0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9

The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4

Signed on behalf of the manufacturer

Name and Function	Place and Date	Signature
Nick Horton	Stone	
Purchasing Director	31/8/18	