

Declaration of Performance No. 5184-1015

1. Product Type Dowel type Timber Fasteners - Wood Screws
2. Type and Batch Decking Screws identified by Batch No. on the packaging
3. Intended Use Structural Timber connections
4. Manufacturer Hexstone Ltd t/a Owlett-Jaton, Opal Way, Stone ST15 0SW
Factory 552
5. Authorised Representative N/A
6. System of Assessment System 3
7. Technical Assessment and
Notified Bodies Test certificate numbers 10050/1 and 10050/2
Tests carried out by Strijirensky zkusebni ustav
Notified Body No. 1015 to EN 14592:2008 + A1:2012
8. D o P for ETA N/A

9. Declaration of Performance

Essential Characteristics and Dimensions				
Nominal Diameter	d_{nom}	mm	8g (4.2mm)	10g(4.8mm)
Material			Hardened Steel C1018 or C1022	
Head Diam	Min	mm	8.00	9.50
	Max	mm	8.50	10.00
Head Depth (Nominal)	Min	mm	9.90	4.40
Outside Diameter	Min	mm	4.10	4.70
	Max	mm	4.50	5.00
Inner Thread Diameter	Min	mm	2.65	2.90
	Max	mm	2.90	3.20
Nominal Thread Length	1 1/2	in	25mm	-
	2	in	33mm	-
	2 1/4	in	38mm	-
	2 1/2	in	42mm	-
	3	in	50mm	50mm
Characterisitic Yield Moment	$M_{y,k}$	Nmm	5543	9282
Characterisitic Withdrawal Parameter Loading across the Fibres	$F_{ax,k}$	N/mm ²	16.67	16.89
	P_k	kg/m ³	400	400

Essential Characteristics and Dimensions				
Nominal Diameter	d_{nom}	mm	8g (4.2mm)	10g(4.8mm)
Characteristic Withdrawal Parameter Loading along the Fibres	$F_{ax,k}$	N/mm ²	13.93	13.48
	P_k	kg/m ³	400	400
Characteristic Head Pull-Through in Timber	$F_{head,k}$	N/mm ²	23.08	20.42
	P_k	kg/m ³	400	400
Characteristic Tensile Capacity	$F_{head,k}$	kN	7.51	9.53
Characteristic Strength in Torsion	$f_{tor,k}$	N/mm ²	5.18	7.54
	P_k	kg/m ³	450	450
Characteristic Torsional Ratio	$R_{tor,k}$	N/mm ²	1.24	1.98
	P_k	kg/m ³	450	450
Coating	Zinc plated and organic coating 1000 Hrs Salt Spray Test			
	Service Condition 3 According to EN 1995-1-1			
Safety in case of fire	Euroclass A1 to EN 13501-1			


The previous performance relates to the following product range

Product Code	Gauge	Length
		in.
Decking Screw 8 x 1 1/2	8	1 1/2
Decking Screw 8 x 2	8	2
Decking Screw 8 x 2 1/2	8	2 1/2
Decking Screw 8 x 3	8	3
Decking Screw 10 x 3	10	3

Amendments

	Amendment	Date
1	Characteristic withdrawal parameter Loading along fibres 8g screw corrected	18/08/2018
2	Safety in case of fire added	18/08/2018
3	Units for Characteristic Yield Moment changed from N/mm ² to Nmm	26/02/2020

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	13/3/20	