

## Declaration of Performance No. 5037-1-1015-517

1. Product Type Galvanised and Sheradised Square Twist Nails
2. Type and Batch Square Twist Nails identified by 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 517
5. Authorised Representative N/A
6. System of Assessment System 3
7. Technical Assessment and Notified Bodies Test Report number 30-10590/6  
Tests carried out by Strojirensky zkusebni ustav.s.p. Notified Body No. 1015 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	3.75
Material			Q195
Outside Diameter	$Min$	mm	3.76
	$Max$	mm	3.73
Nominal Length	30	mm	30
	40	mm	40
Characteristic yield moment	$M_{y,k}$	N/mm <sup>2</sup>	6197
Characteristic withdrawal parameter	$F_{ax,k}$	N/mm <sup>2</sup>	1.92
	$P_k$	kg/m <sup>3</sup>	310
	$F_{ax,k}$	N/mm <sup>2</sup>	2.45
	$P_k$	kg/m <sup>3</sup>	350
	$F_{ax,k}$	N/mm <sup>2</sup>	2.73
	$P_k$	kg/m <sup>3</sup>	370

Nominal Diameter	$d_{nom}$	mm	3.75
Characteristic head pull-through	$F_{head,k}$	N/mm <sup>2</sup>	6.72
	$P_k$	kg/m <sup>3</sup>	310
	$F_{head,k}$	N/mm <sup>2</sup>	8.57
	$P_k$	kg/m <sup>3</sup>	350
	$F_{head,k}$	N/mm <sup>2</sup>	9.58
	$P_k$	kg/m <sup>3</sup>	370
Characteristic tensile capacity	$F_{tens,k}$	N/mm <sup>2</sup>	7.03
Characteristic torsional resistance in Spruce WMC 13%	$R_{tor,k}$	Nm	3.6
	$P_k$	kg/m <sup>3</sup>	450
Characteristic torsional ratio			6.75
Coating	Galvanised or Sheradised		
	Service class2 according to EN 1995-1-1		

The previous performance relates to the following product range

Product Description	Diam	Length
	mm	mm
Square Drive Galvanised	7	30
Square Drive Galvanised	7	40
Square Drive Sheradised	7	30


#### Ammendments

	Ammdement	Date
1	EN14592:2008 + A1:2013 corrected to EN14592:2008 + A1:2012	06/08/2017

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	13/8/18	