

Declaration of Performance No. 4014-1686

1. Product Type Dowel type Timber Fasteners - Wood Screws
2. Type and Batch Unifix Vortex Screws 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 509
5. Authorised Representative N/A
6. System of Assessment System 3
7. Technical Assessment and Notified Bodies Test Certificate number 13.0278
Tests carried by SHR, Het Cambium, Nieuwe Kanaal 9b,
P.O. Box 497, 6700 Al Wageningen, The Netherlands
to EN 14592+A1:2012 Notified Body No. 2590
8. D o P for ETA N/A
9. Declaration of Performance

Essential Characteristics and Dimensions						
Nominal Diameter	d_{nom}	mm	3.5	4.0	5.0	6.0
Material			C1022/10B21			
Head Diameter	Min	mm	6.64	7.64	9.64	11.5
	Max	mm	7.0	8.0	10.0	12.0
Inner Thread Diameter	Min	mm	2.00	2.30	2.95	3.60
	Max	mm	2.25	2.60	3.15	3.85
Characteristic yield moment	$M_{y,k}$	Nmm	2662	3423	6082	10401
Characteristic withdrawal parameter in C16 timber	$F_{ax,k}$	N/mm ²	23.7	21.1	18.6	17.8
	P_k	kg/m ³	450	450	450	450
Characteristic head pull-through	$F_{head,k}$	N/mm ²	33.2	35.9	29.4	29.4
Parameter in OBM timber	P_k	kg/m ³	525	525	525	525
Characteristic tensile capacity	$F_{tens,k}$	kN	5.0	6.3	9.2	13.3
Characteristic torsional strength	$F_{tor,k}$	Nm	2.3	3.5	5.9	10.0
Characteristic torsional resistance	$R_{tor,k}$	Nm	0.5	0.8	1.0	1.8
	Pk	kg/m ³	450	450	450	450
Characteristic torsional ratio			4.6	4.4	5.9	5.6
Durability	Zinc plated with yellow passivation and waxed. 3.5mm Service Class 1, 4.0, 5.0 and 6.0 Service Class 2 according to EN 1995-1-1					

The previous performance relates to the following product range

Product Code	Diam	Length
	mm	mm
V60218CE	3.5	12
V60219CE	3.5	16
V60220CE	3.5	20
V60224CE	3.5	50
V60225CE	4.0	20
V60230CE	4.0	45
V60231CE	4.0	50
V60232CE	4.0	60
V60233CE	4.0	70
V60236CE	5.0	50
V60237CE	5.0	60
V60238CE	5.0	70
V60239CE	5.0	80
V60240CE	5.0	90
V60241CE	5.0	100

Product Code	Diam	Length
	mm	mm
V60242CE	6.0	50
V60243CE	6.0	60
V60244CE	6.0	80
V60245CE	6.0	100
V60246CE	6.0	120
V60247CE	6.0	130
V60248CE	6.0	150

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

Amendments

	Amendment	Date
1	EN14592:2008 + A1:2013 corrected to EN14592:2008 + A1:2012	06/08/2017
2	Notified Body number amended	15/10/2018
3	N/mm changed to Nmm on yield moment. 3.5 mm Torsional resistance corrected. Service classes corrected	05/03/2020

Signed on behalf of the manufacturer

Name and Function	Place and Date	Signature
Nick Horton	Stone	N Horton
Purchasing Director	13/3/20	