

# DECLARATION CONFORMITY

No. WS-201309-UK04-01



## ABRASIVES & SCREW PRODUCTS LIMITED

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1. **Place of Production:** Taiwan
2. **Fastener type:** **Chipboard Screws**
3. **Identification code:** WSWP 13 09 001- UK4
4. **Intended use:** For Structural Timber
5. **System of Assessment and Verification of Constancy of Performance:** System 3
6. **Notified body:** Slovenian National Building and Civil Engineering Institute – ZAG Ljubljana ,  
 Notified Body number: **1404**  
 Performed determination of the product – type on the basis of type testing under system 3 and issued an initial type testing report **No. P0738 / 13-630-1** on control laboratory tests of timber screws and bolts.  
 According to **EN 14592:2008 + A1:2012**

7. **Declared performance:**  
 (flat head)

Essential characteristic		Performance						Harmonized technical specification
		M3	M3.5	M4	M4.5	M5	M6	
Geometry	d [mm]	2.8	3.35	3.85	4.4	4.9	5.9	EN 14592:2008+A1:2012
	l [mm]	12 - 50	14 - 60	17 - 90	20 - 90	20 - 120	25 - 280	
Material		ASTM standard SAE 1022, AL KILLED (MQ) EN 10083-2						EN 14592:2008+A1:2012 clause 6.3.2
Characteristic yield movement $M_{g,k}$ [NM]		1.267	1.881	3.159	4.161	5.332	3.018	EN 409:2009
Characteristic withdrawal parameter $f_{(n),k}$ [N / mm <sup>2</sup> ]		13.79 P=589 Kg/m <sup>3</sup>	13.32 P= 509 Kg/m <sup>3</sup>	25.98 P = 484 Kg/m <sup>3</sup>	16.16 P = 463 Kg/m <sup>3</sup>	12.67 P = 499 Kg/m <sup>3</sup>	15.93 P = 516 Kg/m <sup>3</sup>	EN 1382:1999
Characteristic head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]		51.15 P=433 Kg/m <sup>3</sup>	17.68 P=424 Kg/m <sup>3</sup>	34.07 P=315 Kg/m <sup>3</sup>	16.29 P=340 Kg/m <sup>3</sup>	12.90 P=345 Kg/m <sup>3</sup>	12.81 P=332 Kg/m <sup>3</sup>	EN 1383:1999
Characteristic tensile capacity $F_{tens,k}$ [kN]		2.97	5.28	6.95	7.93	9.96	12.50	EN 1383:1999
Characteristic torsional ratio		2.24	2.61	1.99	1.90	2.19	2.44	EN 14592:2008+A1:2012
Corrosion protection		Service Class 2						EN 1995 – 1 - 1

(pan head)

Essential characteristic		Performance							Harmonized technical specification
		M3	M3.5	M4	M4.5	M5	M6	M7	
Geometry	d [mm]	2.8	3.35	3.85	4.4	4.9	5.9	6.9	EN 14592:2008+A1:2011
	l [mm]	12 - 50	14 - 60	17 - 90	20 - 90	20 - 120	25 - 280	30 - 280	
Material		ASTM standard SAE 1022, AL KILLED (MQ) EN 10083-2							EN 14592:2008+A1:2011 clause 6.3.2
Characteristic yield movement $M_{g,k}$ [NM]		1.267	1.881	3.159	4.161	5.332	3.018	8.872	EN 409:2009
Characteristic withdrawal parameter $f_{(n),k}$ [N / mm <sup>2</sup> ]		13.79 P=589 Kg/m <sup>3</sup>	13.32 P= 509 Kg/m <sup>3</sup>	25.98 P = 484 Kg/m <sup>3</sup>	16.16 P = 463 Kg/m <sup>3</sup>	12.67 P = 499 Kg/m <sup>3</sup>	15.93 P = 516 Kg/m <sup>3</sup>	14.58 P=469 Kg/m <sup>3</sup>	EN 1382:1999
Characteristic head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]		38.32 P=440 Kg/m <sup>3</sup>	31.28 P=437 Kg/m <sup>3</sup>	36.94 P=384 Kg/m <sup>3</sup>	29.44 P=358 Kg/m <sup>3</sup>	28.58 P=346 Kg/m <sup>3</sup>	18.71 P=450 Kg/m <sup>3</sup>	32.13 P=465 Kg/m <sup>3</sup>	EN 1383:1999
Characteristic tensile capacity $F_{tens,k}$ [kN]		2.69	3.75	6.01	6.45	9.16	13.22	18.33	EN 1383:1999
Characteristic torsional ratio		2.24	2.61	1.99	1.90	2.19	2.44	2.15	EN 14592:2008+A1:2012
Corrosion protection		Service Class 2							EN 1995 – 1 - 1

The performance of the product identified in points 2 and 3 is in conformity with the declared performance in the above performance table. This declaration of performance is issued under the sole responsibility of ASP Ltd in point 1.

Signed for and on behalf of ASP Ltd

