

Declaration of Performance

1. Twinthread screws
2. Purchase Order numbers are attached to each pack to allow for batch identification
3. Twinthread screws can be used in load-bearing structural timber products.
4. Manufacturer: Forgefix Ltd.,
Botany Business Park,
Macclesfield Road, Whaley Bridge,
SK23 7DQ.
5. Tested to EN14592:2008 under systems by: Instituto Giordano S.p.A
Report Number: 5920/1811/c
6. Declared Performance for essential characteristics to EN14592:2008
7. The performance of the mentioned products is in conformity with the declared performance given below. (tested to clause 6.3.4.2 – 6.3.4.6 of UNI EN 14952 and clause 6 of UNI EN 409)

Test for determination of the yield movement				
	Fmax [N]	Time [s]	Lever Length (mm)	Yield Movement My [N.mm]
Average	40,73	10 ± 5	302	12300
Characteristic value Myk = 10814 N.mm				

Withdrawal capacity test				
	Fmax [N]	Time [s]	Withdrawal Parameter Fax = $\frac{F_{max}}{D \times 1p}$ [N/mm ²]	Remarks
Average	8399	90 ± 30	28,36	Pull-out
Characteristic value faxk = 24,54 N/mm ²				

Head Pull-through test				
	Fmax [N]	Time [s]	Head pull-through Parameter Fax = $\frac{F_{max}}{D \times 1p}$ [N/mm ²]	Remarks
Average	2631	300 ± 120	149,12	//
Characteristic value fheadk = 91,97 N/mm ²				

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Tensile test			
	Ftens [N]	Time [s]	Remarks
Average	12978	10 ± 5	In the thread
Characteristic value ftensk = 10524 N			

Test for determination of torsional resistance			
	Rtor [N.m]	Rotation Speed [rpm]	Remarks
Average	5,53	≤ 100	//
Characteristic value Rtor,k = 3,83 N.m			

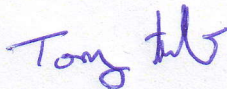
Test for determination of torsional strength			
	Ftor [N.m]	Time [rpm]	Remarks
Average	15,42	≤ 100	//
Characteristic value Ftor,k = 12,97 N.m			

Characteristic torsional ratio			
Torsional strength Ftor,k [N.m]	Characteristic torsional resistance Rtor,k [N.m]	Characteristic torsional ratio Ftor,k/Rtor,k	Characteristic torsional ratio acceptance criteria
12,97	3,83	3,39	Ftor,k/Rtor,k ≥ 1,5

This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:
Anthony Armitt, Purchasing Manager of Forgefix Ltd.

Signature:



Date: 20/09/2013