

**REPORT OF TESTS ON TACKBURN LIMITED  
THIN JOINT STAINLESS STEEL WALL TIES TO BS EN845-1:2003**

**Certificate No. 406 . Test Reference: 104861 Issue Date: 11 October 2010**

**Product**

355mm long Thin Joint stainless steel wire wall ties supplied by Tackburn Limited were tested in tension and compression over a standard cavity width of 200mm in accordance with BS EN 846-5 Methods of Test for Ancillary Components for Masonry. Part 5: Determination of tensile and compressive load capacity and load displacement characteristics of wall ties (couplet test). The Tackburn Thin Joint tie can be used in Thin Joint construction systems which utilises a Thin Joint mortar. The Tackburn Thin Joint Wall Tie is suitably manufactured to allow the embedment into the Thin Joint material without compromising the manufacturers intended joint thickness.



**Client**

**Tackburn Ltd**  
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B98 9JX

**Test Results**

**Summary of Characteristic Values of Tackburn Limited Thin Joint 355mm long wall ties  
Tested in tension and compression to BS EN 845 Part 1:2003 over a cavity width of 200mm**

Test	Maximum Declared Value at Ultimate Load (N)
Tension	1219
Compression	1167

**Guidance**

The manufacturer can declare a value of not greater than the values given in the table above for each end and mode of test of the tie. This is based on the requirements of BS EN 845-1. Also no individual specimen shall be less than 70% of the value declared by the manufacturer. The tests over the working cavity +15mm should not give loads of less than 50% of the value declared by the manufacturer. At 1mm serviceability deflection the mean tensile or compressive load shall be greater than one third of the ultimate tensile or compressive load declared by the manufacturer. At the extended cavity, the tie shall not give loads less than 50% of one third of the value declared by the manufacturer.

**Assessment**

The Tackburn Ltd Thin Joint stainless steel wall tie as used with a Thin Joint construction system has been tested and assessed by CERAM Building Technology against BS EN845-1 and would meet with the appropriate parts of NHBC standards at a cavity width of 200mm. Additionally the tie can be categorised as a Type 3 tie at a minimum embedment depth of 50mm over a 200mm cavity in accordance with BS5628-1:2005.

Full test results are reported in CERAM Building Technology Report No. 104861

**Authorised by:**

*Joanne Booth*

**Joanne Booth  
(Manager, Structures Group)**

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