

**REPORT OF THE TESTING OF ACS STAINLESS STEEL FIXINGS LTD
25/15 'FRAME FIX ULTRA' CHANNEL-TIE SYSTEM**

Certificate No. 413 .

Test Reference: 112178

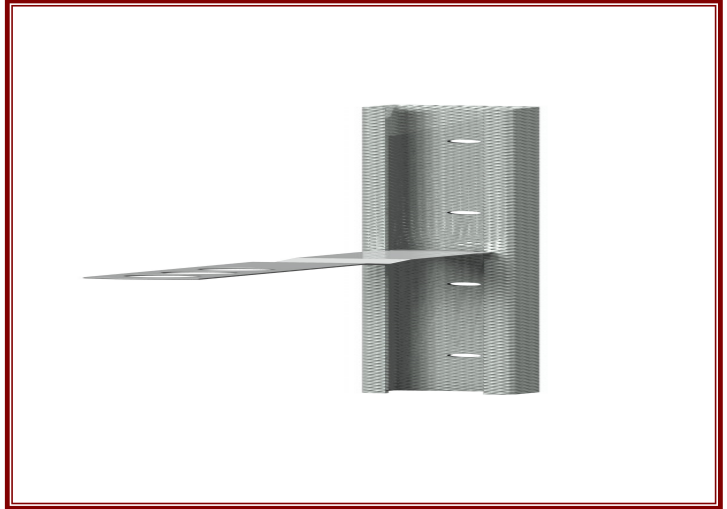
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Product

2.7m long, 1.0mm thick(Ultra) stainless steel Channel with '4000 Range' Ties was referred to as the 25/15 'Frame Fix Ultra' system manufactured by ACS Stainless Steel Fixings Ltd.

The system was tested at the masonry end according to BS EN 846-5 and at the Channel end according to BS EN 846-6.

The system was assessed under BS EN845-1: Specification for ancillary components for masonry – Part 1: Ties, tension straps and brackets.



Client



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Test Results

**Summary of Maximum Declared Values of ACS Stainless Steel Fixings Ltd
25/15 'Frame Fix Ultra' Channel tie System tested across a 50mm cavity**

Product	Load Direction	Tested End	Declared Value(N)
'4000 Range Tie'	Tension	Masonry	4314
'4000 Range Tie'	Compression	Masonry	4171
'4000 Range Tie' with Channel	Tension	Channel/Tie	1107
'4000 Range Tie' With channel	Compression	Channel/Tie	1836

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 ACS Stainless Steel Limited 25/15 'Frame Fix Ultra' Channel Tie System having been assessed by CERAM Building Technology against BS EN845-1 would meet with the appropriate parts of NHBC standards at a cavity width of 50mm.

Authorised by:

Joanne Booth

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

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SUMMARY REPORT