

Test Report

Sponsor:

Sapa Building Systems Ltd
Severn Drive
Tewkesbury
Gloucestershire
GL20 8SF

CONFIDENTIAL

Report: BMT/MTP/F15001/01/Rev3

Report on testing of an STII Centre Pivot Double Doorset (double acting) to PAS 24

Issue date: September 2015

This report is a revision to that issued as BMT/MTP/F15001/Rev2 and dated 23 April 2015. The details of the test report BMT/MTP/F15001/Rev2 are held on file by Chiltern International Fire trading as BM TRADA. The original report is replaced by the revised report BMT/MTP/F15001/Rev3

Page 1 of 5



1762

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This document is confidential and remains the property of Chiltern International Fire Ltd trading as BM TRADA. The legal validity of this report can only be claimed on the presentation of the complete report.



Results of Test: BMT/MTP/F15001/01/Rev3

Sapa Building Systems Ltd

Severn Drive
Tewkesbury
Gloucestershire
GL20 8SF

This document confirms that performance testing was conducted on 18 February 2015. Testing was conducted to the following standard:

- PAS 24: 2012 Enhanced security performance requirements for doorsets and windows in the UK.

The following results were achieved:

Product tested	STII Centre Pivot Double Doorset (double acting)
Summary of testing procedure	
PAS 24: 2012 – Clauses A.3, B.4.3, B.4.4.2, B.4.4.3, B.4.4.4, B.4.5, B.4.6, B.4.7, B.4.8 and B.4.9	Result Pass

Passed PAS 24: 2012 for the requirements of both key removable and thumbturn locks

The results relate only to the specimens tested, as detailed in the technical specification

Revision 1 – Amendment to product description and technical specification on pages 1, 4 and 5.

Revision 2 – Amendment to perimeter and cylinder details on pages 4 and 5.

Revision 3 – Amendment to product name on pages 1, 2 and 3.



Issued by:
James Bacchus
Technical Officer



Checked by:
Lee Grant-Riach
Technical Officer
Issue date: 2nd September 2015

BM TRADA

Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, UK

Tel: 01494 569800 Fax: 01494 564895

Web: www.bmtradagroup.com Email: testing@bmtrada.com

This document is confidential and remains the property of Chiltern International Fire Ltd, trading as BM TRADA



1762

Technical specification

Report: BMT/MTP/F15001/01/Rev3

Test For: Sapa Building Systems Ltd, Severn Drive, Tewkesbury, Gloucestershire, GL20 8SF.

Performance testing to PAS 24: 2012 and was conducted on your STII doorsets on 18 February 2015. The technical specification is detailed below. The specimens were delivered to BM TRADA laboratory on 16 February 2015.

Description of construction

The specimens were identical and identified as STII Centre Pivot Double Doorsets (double acting). The overall frame dimensions were 2365mm wide x 2500mm high x 98mm deep and leaves dimensions were 1100mm wide x 2400mm high x 65mm thick. The specimens were locked with a removable key.

Door leaves

		Material/type	Dimensions (mm)
Stiles	Lock	Sapa (Ref. ST500)* aluminium profile	65 x 68
	Hinge	Sapa (Ref. ST502)* aluminium profile	82 x 72
Rails	Top	Sapa (Ref. ST506)* aluminium profile	65 x 92
	Bottom	Sapa (Ref. ST505)* aluminium profile	65 x 122
Joints		Butt jointed with 2No. Sapa (Ref. STP300/STP301)* cleats fixed to 2No. Sapa (Ref. ST302)* tapping plates inside stiles with 1No. M6 x 20 machine screws and 2No. 4.2 x 16 self tapping screws into rail per cleat	-
Adhesive		None present	-

* As stated by sponsor, not checked by laboratory

Door frame

	Material/type	Dimensions (mm)
Head	Sapa (Ref. ST510)* and (Ref. ST407)* aluminium profile	98 x 76
Jambs	Sapa (Ref. ST408)* aluminium profile	98 x 50
Inner jamb	Sapa (Ref. ST509)* aluminium profile fixed to jamb with 5No. 4.2 x 70 screws	42 x 30
Threshold	Sapa (Ref. ST240)* and (Ref. ST241)* aluminium profile	100 x 10
Joints	Butt jointed with 2No. 5.5 x 38 screws per joint from jambs into head	-
Adhesive	None present	-

*As stated by sponsor, not checked by laboratory

The legal validity of this report can only be claimed on presentation of the complete report

Hardware

		Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges		Anti finger trap closer top arm/channel bracket from Sapa (Ref. 202/234)* pack and Sapa (Ref. STP307)* top arm assembly bracket	254 x 35	4No. M6 x 16 machine screws and 6No. 4.2 x 19 screws into top rail. Top arm is slotted into channel bracket and clamped to closer spindle
Pivot receiver		Sapa (Ref. ST305)* pivot shoe bracket with bottom pivot shoe from Sapa (Ref. 202/234)* pack. Sapa (Ref. 202/234)* threshold pivot assembly pack	103 x 34	4No. 4.2 x 19 self tapping screws into bottom rail. 2No. M6 x 20 machine screws and 1No. 4.8 x 19 self tapping screw into pivot shoe bracket. M10 threaded pivot with M10 lock nut and M20 main body with M20 nut to underside of threshold
Closer		Sapa (Ref. 202/188)* concealed transom closer	250 x 70	2No. M6 x 40 Allen bolts and 2No. M6 x 30 machine screws
Locking mechanism	Master	2No. Sapa (Ref. STP309)* single point lock with 2No. Sapa (Ref. STP319)* tapping plates	195 x 25	2No. M6 x 16 machine screws
	Slave	1No. Sapa (Ref. STP314)* shootbolt gear box with 2No. Sapa (Ref. CDP252)* shootbolt rods with 2No. Sapa (Ref. STP319)* tapping plates	282 x 25	2No. M6 x 20 machine screws
Keeps	Master	2No. Sapa (Ref. STP331)* single point lock keeps with SAPA (Ref. STP319)* tapping plates	135 x 24	2No. M6 x 20 machine screws
	Slave	1No. Sapa (Ref. STP315)* keep to head	78 x 25	2No. 4.3 x 25 self tapping screws
		1No. Sapa (Ref. STP332)* keep to threshold	110 x 25	2No. 4.8 x 12 screws
Cylinder		2No. Europrofile (Ref. STP368)* cylinder/thumbturn	70 length	1No. M5 x 50 machine screw

* As stated by sponsor, not checked by laboratory

Perimeter sealing details

	Make/type	Size (mm)	Location
Leaf edges	2No. Sapa (Ref. STC267)* woolpile	12 wide	To bottom rail of leaves only
Frame reveal	2No. Sapa (Ref. 105/54)* woolpile	9 wide	To head clip in plate only
Seal continuity	Uninterrupted by hardware	-	-

* As stated by sponsor, not checked by laboratory

Glazing for door leaves

	Make/type/size (mm)	Location (dimensions in mm)
Glass type & configuration	4 glass, 20 spacer, 4 glass	-
Overall size	945 wide x 2216 high	-
Sight size	914 wide x 2185 high	-
Glazing packers	1No. Sapa (Ref. STP318)* plastic packer	In all corners and vertical centres only
Gaskets	Sapa (Ref. DFC1203)* wedge gasket (internal)	Between glazing and beading
	Sapa (Ref. DFC1510)* retained security gasket (external)	Between glazing and glazing rebate upstand/stile beading
Beads	Sapa (Ref. ST268)* aluminium profile 21 x 20.5 to stiles and rails	Internally beaded
	Sapa (Ref. ST267)* aluminium profile 21 x 4.5 to stiles only	Externally beaded
Bead fixings	Push fitted into profile	-
Sealants	Silicone	To retain glazing packers only

* As stated by sponsor, not checked by laboratory

BM TRADA provides independent certification, testing, inspection, training and technical services around the world. We help customers large and small to prove their business and product credentials and to improve performance and compliance. With an international presence across many industry sectors, we offer a special focus and long history of technical excellence in supply chain certification, product certification and testing, and technical services to the timber, building, fire and furniture industries.



testing@bmtrada.com



bmtradagroup.com



+44 (0) 1494 569800