

Why are we the global leader in door opening solutions?

Find out at assaabloy.co.uk/reasons

ASSA ABLOY

The global leader in door opening solutions

INDICATIVE TEST REPORT

Testing of:

PVCu Casement Window

To the requirements of:

PAS 24:2016

Prepared for:

Technical Department

Yale DWS

School Street

Willenhall

West Midlands

WV13 3PY

Date: 14/11/2017



Contents

1	Introduction	3
2	Test Details	4, 5
3	Test Results	6

INDICATIVE TEST REPORT

1 Introduction

This report details the results of mechanical load testing conducted on PVCu Window in accordance with PAS 24:2016. The window was manufactured and supplied by CJR Glass & Glazing

The test program was performed at the request of CJR Glass & Glazing Technical Department.

Only testing to Clause C.4.5 Mechanical Loading was specified.

Testing was carried out on the 14th November 2017 and performed on Yale's in house load test rig using UKAS calibrated load cell & scales.



2 Test Details

Client Details

Company Name	CJR Glass and Glazing
Address	Unit 3 Ashley Crescent Southampton SO19 9NA

Contact

Name	Clive Ret
Telephone	023 8044 4844
Email	clive@cjrdoubleglazing.com
Mobile	07970 248277
Fax	

Window Sample Details

Product Type (pvc, timber ,Ali)	Upvc
Manufacturer	CJR Glass and Glazing
Window Dimensions	As above
Profile Manufacturer	Veka
Profile Codes	Frame – 101160, Sash 103364
Infill Type	n/a
Reinforcement	Steel
Reinforcement Codes	
Fabrication Method	Welded
Fabrication frame	



Test Details (Cont.)**Hardware to Sash:**

Lock System	Yale Encloser
Lock Fixings	4.3 x 25mm
Hinges	Kore Friction Stays
Hinge Fixings	4.3 x 20mm
Hinge Protectors	Kore Hinge Protector
Protector Fixings	4.3 x 25mm
Handle	Trojan Sparta
Cylinder	n/a
Additional Hardware	GT Window Services Glazing Clips
Additional Fixings	

Hardware to Frame:

Keep Set	YWK208 Mushroom Keep
Keep Fixings	4.3 x 25mm
Hinge Fixings	4.3 x 20mm and 3.9 x 25mm
Protector Keeps	Kore Hinge Protector
Protector Keep fixings	4.3 x 25mm
Additional Hardware	
Additional Fixings	

3. Test Results

Test Figures: Perpendicular to Plane Load 3 kn

Arrows indicate direction of 1 kn Parallel to plane load.

Loading Point		1 st Load Direction	2 nd Load Direction	Results	Comments
Top Hinge	1&2	↓	→	PASS	
Top Twin Cam	3&4	←	→	PASS	
Central Twin Cam	5&6	←	→	PASS	
Lower Twin Cam	7&8	←	→	PASS	
Bottom Hinge	9&10	↑	→	PASS	

C.4.5 MECHANICAL LOADING TEST: RESULT = PASS

Test Sample Supplied:



THE TESTING AND RESULTS IN THIS REPORT ARE OFFERED IN GOOD FAITH. THE TESTING WAS CONDUCTED TO THE RELEVANT PARTS OF THE STANDARD AS INDICATED. THE RESULTS SHOWN ARE FOR REFERENCE ONLY.

YALE DWS IS NOT A UKAS ACCREDITED TEST HOUSE.

Issued on behalf of YALE DWS:

Dan Miles

daniel.miles@yaledws.co.uk

End of Report

