PAS 24:2022 - Enhanced Security Performance Requirements for Doorsets and Windows in the UK

BAKO BARTNIK KOWALCZUK GENERAL

Test Report No. R4791680249-1

26 June 2025

UL Solutions

UKAS TESTING 5772

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1. Introduction

Test Details	
Customer:	BAKO BARTNIK KOWALCZUK GENERAL Ulica 4 Sierpnia 4c Szypliszki, 16-411 PL
Product tested:	Single door - Open In
Date(s) sample(s) received:	1st April & 28th May 2025
Date of test:	7th April & 3rd June 2025
Test conducted at:	UL International (UK) Limited Halesfield 2 Telford Shropshire TF7 4QH
Test conducted by:	D Whittall *Laboratory Assistant* S Ward *Engineering Technician* C Holden *Senior Laboratory Technician*
Report Authorisation	
Report compiled by:	J Ratcliffe Laboratory Engineer
Authorised by:	E Round Laboratory Engineer

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2. Summary of Results

The following table summarises the results of tests, conducted in accordance with PAS 24:2022, achieved by the test specimen(s) supplied:

Test description	*Sample (ID No.)*	*Test sheet reference*	*Result*	*Test date*
A.3.1 – Security hardware & cylinder test – Part 1	*3*	*TS 001*	***Pass***	*7th April 2025*
A.3.2 – Security hardware & cylinder test – Part 2	*3*	*TS 001*	***Pass***	*7th April 2025*
A.3.3 – Security hardware & cylinder test – Part 3	*2*	*TS 001*	***Pass***	*7th April 2025*
B.4.6 – Manual check test	*1*	*TS 001*	***Entry gained***	*7th April 2025*
B.4.4.3 – Infill – mechanical test	*2*	*TS 001*	***Pass***	*7th April 2025*
B.4.3 – Manipulation test (a)	*2*	*TS 001*	***Pass***	*7th April 2025*
B.4.4.4 – Manual cutting test	*2*	*TS 001*	***Pass***	*7th April 2025*
B.4.5 – Mechanical loading test	*2*	*TS 001*	***Pass***	*7th April 2025*
B.4.7 – Additional mechanical loading test	*2*	*TS 001*	***Pass***	*7th April 2025*
B.4.4.2 – Infill – manual test	*1*	*TS 002*	***Pass***	*3rd June 2025*
B.4.8 – Soft body impact test	*1*	*TS 002*	***Pass***	*3rd June 2025*
B.4.9 – Hard body impact test	*1*	*TS 002*	***Pass***	*3rd June 2025*
B.4.9.2.3 – Hard body - Infill medium impact points	*1*	*TS 002*	***Pass***	*3rd June 2025*
Overall classification in accordance with PAS 24:2022			***D***	

More comprehensive details are reported in section 6.

Note: *These results are valid only for the conditions under which the test was conducted.*

All measurement devices, instruments and other relevant equipment were calibrated and traceable to National Standards.

2.1 Decision rule

Classifications reported in section 6 indicate that the product conforms with the relevant accuracy requirements of section B.3 and C.3 of PAS 24:2022.

2.2 Uncertainty of measurement

The results as reported in this test report are not accounting measurement of uncertainty as no numerical values were recorded during the test.

3. Description of Test Sample

The details shown in section 3 and drawings shown in section 7 have been supplied by and confirmed as typical of normal production by BAKO Bartnik Kowalczuk Sp J. and have not been verified by UL International (UK) Limited.

See Section 7 for sample drawings as supplied by BAKO Bartnik Kowalczuk Sp J.

General Information	
Project number:	4791680249
Product range name:	Single Door
Project name to appear on front page of the test report:	Single Door
Configuration:	1 opening sash
Opening direction:	In
Product manufacturer:	BAKO Bartnik Kowalczuk Sp J.
The sample is typical of normal production:	Yes
Please define the closing condition of the sample: I.e. Closed, fastened, latched, locked and secured etc.	Single Door, secured with anti-theft catch and sash lifts
Weight of Sample including subframe (kg):	118 kg
Weight of sash (kg) - applicable for sample tested with accordance with BS 6375-2:2009	60 kg

Outer Frame			
Height:	2450	**Outer frame gasket**	
Width:	1200	Gasket type:	Foam Seals QL3078, QL3096
Outer frame material:	Softwood	Manufacturer:	Schlegel
Surface finish	Teknos paints	Product name:	Q-Lon
Outer frame Part Numbers		Product code:	QL3078, QL3096
Top:	1	**Threshold**	Aluminium
Bottom:	2	Manufacturer:	Stormguard
Lock side:	3	Product name:	AM3EX
Hinge side:	4	Product code:	AM3EX
Outer frame section size		Material:	Aluminium
Width:	1– 70 mm 2 – 40 mm 3,4 – 80 mm	**Outer frame joint method**	
Depth:	1,3,4 – 92 mm 2 – 150 mm	Head:	Comb Joint
Reinforcing:	No	Foot:	Counter-profile and screws
Manufacturer:			
Product name:			
Product code:			
Material:			

Leaf, Sash, or Casement - 1			
Width:	1070	**Leaf / casement gasket**	No gasket
Height:	2335	Gasket type:	
Material:	Softwood	Manufacturer:	
Surface finish:	Teknos paints	Product name:	
Leaf / casement part numbers		Product code:	
Top:	1	**Leaf midrail**	
Bottom:	2	Manufacturer:	BAKO Bartnik Kowalczuk Sp J.
Lock side:	3	Product name:	Midrail
Hinge side:	4	Product code:	
Leaf / casement section size		Material:	Softwood
Width:	1,3,4 – 106mm 2 – 136 mm	**Leaf / casement joint method**	
Depth:	60 mm	Head:	Counter-profile glued with dowels
Reinforcing	No	Foot:	Counter-profile glued with dowels
Manufacturer:			
Product name:			
Product code:			
Material:			

Glazing			
Glass unit	Laminated glass 33.2/12Ar/33.2	**Glazing gasket**	
Manufacturer:	Glassolutions Saint-Gobain	Gasket type:	Silicone
Inner thickness:	6,8 mm	Manufacturer:	Lakma
Spacer material:	Swisspacer advance 12 mm, Plastic with stainless steel foil	Product name:	Modesil
Outer thickness:	6,8	Product code:	NO11
Unit sizes:	880x1170	**Glazing clip**	
Bead	Wooden bead 22x18	Manufacturer:	GT
Manufacturer:	BAKO Bartnik Kowalczuk Sp J.	Product name:	Securi-clip SC147
Product name:	Wooden bead 22x18	Product code:	SC147
Product code:	Wooden bead 22x18	**Glazing tape details**	
Bead size:	22x18	Manufacturer:	Dafa
Bead material:	softwood	Product name:	PESS67
		Product code:	2TTE0403

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Hardware				
	Manufacturer:	**Product description:**	**Product code:**	**Quantity:**
Hinges:	Krona Koblenz	Atomika Karakter K8080 Hidden Hinge	Atomika Karakter K8080	6
Hinge fixing:	Stainless steel 4x40 screws			48
Hinge protectors:	Winkhaus	WINKHAUS FORCED LOCKING F1600 MC	WINKHAUS FORCED LOCKING F1600 MC	2
Hinge protector fixings:	Stainless steel 4x40 screws			8
Locking hardware:	Winkhaus	Winkhaus AV4 Autolock	Winkhaus AV4 Autolock	1
Locking hardware fixing:	Stainless steel 4x40 screws			12
Cylinder:	Iseo	R6 Extra	R6 Extra	1
Cylinder fixing:				
Handle:	Mila	Mila SupaSecure™ TS007	Mila SupaSecure™ TS007	2
Handle fixings:	Stainless steel 4x40 screws			4
Touch bar:				
Cylinder support:				
Cylinder escutcheon:				
Keeps:	WInkhaus	STV-SB F24-908 SKG MV G R12 MC	STV-SB F24-908 SKG MV G R12 MC	2
	WInkhaus	FRA F24-908W AVM R12 U	FRA F24-908W AVM R12 U	1
Keep fixings:	Stainless steel 4x40 screws			12
Drip bar:				
Drip bar fixings:				
Any additional hardware:	Winkhaus FH.H sash lift	Winkhaus FH.H sash lift	Winkhaus FH.H sash lift	2
	Coastal LP400 Letterplate	Coastal LP400 Letterplate	Coastal LP400 Letterplate	1

Confirmation

Customer is to confirm that the samples provided for testing are representative of standard production. Please note: the details given above, as well as the drawings supplied by the customer as confirmed as typical of normal production are not verified by UL International (UK) Limited.	
Company:	BAKO Bartnik Kowalczuk Sp J.
Name:	Mariusz Cichanowicz
Position:	Chief Technology Officer
Date:	26.03.2025 r.

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