

Security Product Ratings

Physical Attack

Test Standard	Rating Level	Horizontal sliding	Vertical sliding	Hinged	Fixed	Demountable fixed	Product	Glass options (mm)	
PAS24:2012 (security requirement) Secured By Design	Single Level			x			S45-SHC	6.8	
					x		S46-FL		
		x						S80-2HS	6.8 7.5 9.5 11.5 11.3
			x					S90-VSCB	
				x				S41-SHC	
				x				S50-SHC	
						x		S40-FL	
						x		S42-FL	
LPS 1175	SR1	x					S85-2HS	12.04	
			x				S95-VSCB		
				x					S50-SHC
					x				S50-FL
							x		S43-DFL
							x		S55-DFL
LPS 1175	SR 2	x					S85-2HS	12 Tecdur 12.4 GPG	
			x				S95-VSCB		
				x					S50-SHC
					x				S50-FL
							x		S43-DFL
							x		S55-DFL
LPS 1175	SR 3					x	S55-DFL	12 Tecdur	

GPG – specialist glass/polycarbonate/glass laminate

Tecdur – specialist glass/polycarbonate laminate (glass face to room). When using Tecdur it is recommended that UV protection film is applied to the external glass

Ballistic Attack

Test Standard	Rating	Horizontal sliding	Vertical sliding	Hinged	Fixed	Demountable fixed	Product	Glass options (mm)
EN 1522 EN 1523	FB4 (Magnum handgun)					x	S55-DFL	22 GP

GP – specialist multiple glass/polycarbonate laminate

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DESCRIPTION	SECURITY PRODUCT RATING TABLES								
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Blast Mitigation

Test Standard	Rating Level	Horizontal sliding	Vertical sliding	Hinged	Fixed	Demountable fixed	Product	Glass options (mm)
Blast ISO 16933	EXV45	x					S10-2HS	6.8
			x				S20-VSCB	
				x			S45-SHC	
					x		S46-FL	
Blast ISO 16933	EXV33	x					S80-2HS	6.8
			x				S90-VSCB	
				x			S41-SHC	
					x		S40-FL	
						x	S42-FL	
Blast ISO 16933	EXV25	x					S85-2HS	9.5T/11.5T
			x				S95-VSCB	
				x			S50-SHC	9.5/11.5
					x		S50-FL	
						x	S42-FL	9.5T/11.5T
							x	
						x	S55-DFL	9.5/11.5
Blast ISO 16933	EXV15					x	S55-DFL	15.04

Blast ratings against 100KG TNT equivalent

T = Toughened Laminate;

Tecdur = specialist glass/polycarbonate laminate (glass face to room). When using Tecdur it is recommended that UV protection film is applied to the external glass

Fire Resistance

Test Standard	Rating	Horizontal sliding	Vertical sliding	Hinged	Fixed	Demountable fixed	Product	Glass options (mm)
BSEN 1363-1 BSEN 1364-1	30 minute integrity					x		10 Pyrodur™

Pyrodur™ - Pilkington fire glass

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