

**Panel Selection Matrix**

Schedule of Panel styles which achieve the building regulation standard of 1.8W/m2k when glazed into

a PVCu Standard size door of 2100mm x 900mm with a minimum U-Value of 2.0 W/m2k

These are our most popular core options, others are available on request

Panel Style	Glazing Options Code	24mm panels						28mm Panels					
		non-reinforced / poly			4mm mdf-reinforced / poly			non-reinforced / poly			4mm mdf-reinforced / poly		
		Glazing Options			Glazing Options			Glazing Options			Glazing Options		
Full Sized Glazed Panels		2	3	4	2	3	4	2	3	4	2	3	4
Ayrshire	AP2	PASS			PASS			PASS			PASS		
	AP3		Note:1			Note:1			PASS			Note:1	
Berkshire	BP2	PASS			PASS			PASS			PASS		
	BP3		PASS			PASS			PASS			PASS	
	BP4			PASS			PASS			PASS			PASS
Berkshire Inv	IB2				PASS						PASS		
	IB3					PASS						PASS	
Cheshire	CP2 *	PASS			PASS			PASS			PASS		
	CP3		Note:1			Note:1			PASS			PASS	
Derbyshire	DP2 *	Notes:1&2			Note:1			PASS			PASS		
	DP3		Note:1			Note:1			Note:1			Note:1	
Derbyshire Inv	ID2 *				Note:1						PASS		
Essex	EP2	PASS			PASS			PASS			PASS		
	EP3		PASS			Note:1			PASS			PASS	
Flint	FP2 *	PASS			PASS			PASS			PASS		
Gloucester	GP2	PASS			PASS			PASS			PASS		
	GP3		PASS			PASS			PASS			PASS	
	GP4			PASS			PASS			PASS			PASS

Lancashire	LP2	Note:1			Note:1			PASS			PASS		
Oxford	OP2	PASS			Note:1			PASS			PASS		
Ulster	UP2 *	PASS			Note:1			PASS			PASS		
Hampshire	HP2	PASS			PASS			PASS			PASS		
	HP3		PASS			Note:1			PASS			PASS	
Nottingham	NP2	PASS			PASS			PASS			PASS		
Perth	PP2	PASS			PASS			PASS			PASS		
Inverness	IP2	PASS			PASS			PASS			PASS		
	IP3		PASS			PASS			PASS			PASS	
	IP4			PASS			Note:1			PASS			PASS
Kent	KP2	PASS			PASS			PASS			PASS		
	KP3		PASS			Note:1			PASS			PASS	
Monmouth	MP2	PASS			Note:1			PASS			PASS		
	MP3		Note:1			Note:1			Note:1			Note:1	

Panel Style	Glazing Options Code	24mm panels						28mm Panels					
		non-reinforced / poly			4mm mdf-reinforced / poly			non-reinforced / poly			4mm mdf-reinforced / poly		
		Glazing Options			Glazing Options			Glazing Options			Glazing Options		
Full Sized Glazed Panels		2	3	4	2	3	4	2	3	4	2	3	4
Berkshire side	BT2	PASS			PASS			PASS			PASS		
	BT3		PASS			PASS			PASS			PASS	
	BT4			PASS			PASS			PASS			PASS
Cheshire side	CT2	PASS			PASS			PASS			PASS		
	CT3		PASS			PASS			PASS			PASS	
Derbyshire side	DT2	PASS			PASS			PASS			PASS		
Ulster side	US2	PASS			PASS			PASS			PASS		
Gloucester side	GT2	PASS			PASS			PASS			PASS		
	GT3		PASS			PASS			PASS			PASS	
	GT4			PASS			PASS			PASS			PASS
Vivaldi	VV2 *	Note:1			Note:1			Notes:1&2			Notes:1&2		
Massenet	MS2 *	Note:1			Note:1			PASS			PASS		
Novello	NV2 *	Note:1			Note:1			PASS			PASS		
Debussy	DB2 *	Note:1			Note:1			PASS			PASS		
Cottage	CG2	PASS			PASS			PASS			PASS		
Mozart	MZ2	PASS			PASS			PASS			PASS		
Lennon Inv.	LI2				PASS						PASS		
McCartney Inv.	MI2				Note:1						PASS		
Quebec	QU2	PASS			PASS			PASS			PASS		
	QU3		PASS			PASS			PASS			PASS	
Budapest	BU2	PASS			Note:1			PASS			PASS		
	BU3		Note:1			Note:1			Note:1			Note:1	
Paris	PA2	PASS			PASS			PASS			PASS		
	PA3		PASS			PASS			PASS			PASS	

Seville	SE2	PASS			Note:1			PASS			PASS		
Jerez	JR2	PASS			Note:1			PASS			PASS		
Savona	SV2	PASS			PASS			PASS			PASS		
	SV3		Note:1			Note:1			PASS			Note:1	
Zurich	ZU2	PASS			PASS			PASS			PASS		
	ZU3		PASS			Note:1			PASS			PASS	
Turin	TP3	PASS			PASS			PASS			PASS		
Ghent	GE2	PASS			PASS			PASS			PASS		
	GE3		PASS			PASS			PASS			PASS	
Marignane	MG2	PASS			PASS			PASS			PASS		
Vienna	VP2	PASS			PASS			PASS			PASS		
	VP3		PASS			PASS			PASS			PASS	
	VP4			PASS			Note:1			PASS			PASS
	VP5			Note:1			Note:1			PASS			PASS
	VP6	PASS			PASS			PASS			PASS		
	VP7		PASS			PASS			PASS			PASS	
Vienna side	VT2	PASS			PASS			PASS			PASS		
	VT3		PASS			PASS			PASS			PASS	
	VT4			PASS			PASS			PASS			PASS
	VT5			PASS			PASS			PASS			PASS
EVA	EV2	PASS			PASS			PASS			PASS		
Grenada	GR2	PASS			Note:1			PASS			PASS		
Tria	TR2	PASS			PASS			PASS			PASS		

Panel Style	Glazing Options Code	24mm panels						28mm Panels						
		non-reinforced / poly			4mm mdf-reinforced / poly			non-reinforced / poly			4mm mdf-reinforced / poly			
		Glazing Options			Glazing Options			Glazing Options			Glazing Options			
Full Solid Panels														
All Styles	Standard	PASS			PASS			PASS			PASS			
	Euro	PASS			PASS			PASS			PASS			
Halle / T&G	Standard	PASS			PASS			PASS			PASS			
Flat Panels	3000 x 1500	PASS			PASS			PASS			PASS			
	1920 x 800	PASS			PASS			PASS			PASS			
	2100 x 900	PASS			PASS			PASS			PASS			

**Notes:**

PASS signifies that the panel glazed into the PVCu Door frame would meet the 1.8W/m<sup>2</sup>k limit using our standard glass option.

1. Specifying the use of low emissivity glass would achieve a pass.
2. Specifying the use of a triple glazed unit would achieve a pass.

We have calculated the theoretical U-value for a complete standard sized PVCu door, incorporating various GBW Panels with various core widths and core constructions, utilizing the BRE calculator version 1.21f. The word PASS is used when the u-value of the complete door achieves a value of 1.8W/m<sup>2</sup>k or lower. (rounded to one decimal place.)

The Calculation method used to evaluate the PVCu Door system is based upon BS EN ISO 10077-1.

The Calculation method used to evaluate the u-value for sealed units is based upon BS EN 673, BS EN ISO 10077-1.

The Calculation method used to evaluate the u-value for panels is based upon BS EN ISO 6946: 1997.