

CE Marking - Declared Performance Characteristics for Windows

													Thermal transmittance								
Window system	Weather Performance				Notified body / Report No	Load bearing capacity of safety devices	Acoustic Performance		Dangerous substances	Security Performance		Notified body / Report No	Configuration A			Configuration B			Configuration C		
	Notified body / Report No	Watertightness	Resistance to wind load	Air permeability			Notified body / Report No	Test No / Rw (C;Ctr) (dB)		Notified body / Report No	Standard tested		Ug	PSI	Uw ≤	Ug	PSI	Uw ≤	Ug	PSI	Uw ≤
5-35Hi+	BRE 0832 / 284-367 dated 08-01-13	E900 (900Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 278238 dated 27-03-12	L111-072 / 38 (-3;-7) L111-074 / 43 (-2;-5)	NONE	BRE 0832 / 284233 dated 31-05-11	PAS 24	BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.4	1.0	0.04	1.3	0.7	0.04	1.1
4-35Hi+	BRE 0832 / 267360-2 dated 20-12-10	E1050 (1050Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 278238 dated 27-03-12	L111-073 / 39 (-3;-8) L111-075 / 42 (-2;-6)	NONE	BRE 0832 / 266664-1 dated 31-05-11	BS 7950	BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.4	1.0	0.04	1.3	0.7	0.04	1.1
4-35Hi+ POV	BRE 0832 / 284369 dated 29-04-13	E1050 (1050Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 278238 dated 27-03-12	L111-073 / 39 (-3;-8) L111-075 / 42 (-2;-6)	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.4	1.0	0.04	1.3	0.7	0.04	1.1
5-35	BRE 0832 / 284-367 dated 08-01-13	E900 (900Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 278238 dated 27-03-12	L111-072 / 38 (-3;-7) L111-074 / 43 (-2;-5)	NONE	BRE 0832 / 284233 dated 31-05-11	PAS 24	BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.6	1.0	0.04	1.5	0.7	0.04	1.3
1-35Hi+	BRE 0832 / 284-368 dated 29-04-13	E1050 (1050Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	NPD		NONE	BRE 0832 / 286720 dated 31-05-11	PAS 24	BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.5	1.0	0.04	1.4	0.7	0.04	1.2
4-35	BRE 0832 / 267360-2 dated 20-12-10	E1050 (1050Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 278238 dated 27-03-12	L111-073 / 39 (-3;-8) L111-075 / 42 (-2;-6)	NONE	BRE 0832 / 266664-1 dated 31-05-11	BS 7950	BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.7	1.0	0.04	1.7	0.7	0.04	1.5
4-35 POV	BRE 0832 / 284369 dated 29-04-13	E1050 (1050Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 278238 dated 27-03-12	L111-073 / 39 (-3;-8) L111-075 / 42 (-2;-6)	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.7	1.0	0.04	1.7	0.7	0.04	1.5
1-35	BRE 0832 / 284-368 dated 29-04-13	E1050 (1050Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	NPD		NONE	BRE 0832 / 286720 dated 31-05-11	PAS 24	BSI 0086 / 8000693 dated 21-06-13	1.1	0.04	1.5	1.0	0.04	1.5	0.7	0.04	1.3
5-20Hi+	BRE 0832 / 240424 dated 25-10-07	E750 (750Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 260664 dated 25-03-10	L110-014 / 40 (-1;-5) L111-016 / 36 (-1;-5)	NONE	BRE 0832 / 239807-1 dated 10-06-11	BS 7950	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.5
4-20Hi+	BRE 0832 / 267360-1 dated 21-12-10	E900 (900Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 260664 dated 25-03-10	L110-015 / 40 (-1;-4) L111-017 / 37 (-1;-5)	NONE	BRE 0832 / 239807-1 dated 10-06-11	BS 7950	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.5
7-20Hi+	BRE 0832 / 239725-2 dated 25-10-07	Class 9A (600Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	NPD		NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.5
5-20	BRE 0832 / 240424 dated 25-10-07	E750 (750Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 260664 dated 25-03-10	L110-014 / 40 (-1;-5) L111-016 / 36 (-1;-5)	NONE	BRE 0832 / 239807-1 dated 10-06-11	BS 7950	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.9	1.1	0.04	1.8	1.0	0.04	1.7
4-20	BRE 0832 / 267360-1 dated 21-12-10	E900 (900Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	BRE 0832 / 260664 dated 25-03-10	L110-015 / 40 (-1;-4) L111-017 / 37 (-1;-5)	NONE	BRE 0832 / 239807-1 dated 10-06-11	BS 7950	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	2.0	1.1	0.04	1.8	1.0	0.04	1.8
7-20	BRE 0832 / 239725-2 dated 25-10-07	Class 9A (600Pa)	E2400 (2400Pa)	Class 4 (600Pa)	BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	NPD		NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.9	1.1	0.04	1.8	1.0	0.04	1.7
6	WEATHERATER / 058 dated 24-03-94	200Pa	2000Pa	300Pa	NOT APPLICABLE		NPD		NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	2.1	1.1	0.04	1.9	1.0	0.04	1.9
20	TITON / TD1168 dated 27-09-01	150Pa	1600Pa	600Pa	NOT APPLICABLE		NPD		NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	2.5	1.1	0.04	2.3	1.0	0.04	2.3
Concealed Vent	NPD				BRE 0832 / 287110 dated 12-05-13	350N / Threshold value	NPD		NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.6	1.1	0.04	1.4	1.0	0.04	1.3
24 Kingspan	NPD				NOT APPLICABLE		NPD		NONE	NPD		-	-	-	-	-	-	-	-	-	-
Not to be declared under CE marking																					

Window u-value calculated based on a configuration 1230 x 1480 (w x h) in line with EN 14351-1:2006(E) Annex E, Table E.1 clause 4.12

Thermal: The thermal transmittance figures are calculated by MT logikal software with correct input of glass Ug and PSI values. Any insertion elements within the curtain walling such as windows or doors must be declared seperately in relation to DoP or CE labels. Thermal calculations for windows (Uw) or doors (Ud) have been done according to EN ISO 10077-1: 2006 or DIN V 4108-4: 06.2007 and for curtain walls (Ucw) in compliance with EN 13947: 2006. Please contact MT technical department if additional configurations are required.

When adding the thermal transmittance figures to your DoP or CE label only one figure should be used from the configurations shown above - these figures are based on the centre pane Ug and PSI values shown.

For acoustics, please see attached document (CE-MT001) for extrapolation test data.

For classification and designation tables please see attached document (CE-MT002 & CE-MT003) which have been taken from EN 14351-1 2006(E)

Please note that for mandatory elements, if NOT REQUIRED, or NOT APPLICABLE is shown, this still must be declared on the DoP/CE label.

Mandatory elements required by CE marking.

CE Marking - Declared Performance Characteristics for Doors

Door System	Weather Performance				Notified body / Report No	Load bearing capacity of safety devices	Acoustic performance		Ability to Release	Dangerous substances	Security Performance		Notified body / Report No	Thermal transmittance									
	Notified body / Report No	Watertightness	Resistance to wind load	Air permeability			Notified body / Report No	Test No / Rw (C;Ctr) (dB)			Notified body / Report No	Standard tested		Notified body / Report No	Configuration A			Configuration B			Configuration C		
															Ug	PSI	Uw ≤	Ug	PSI	Uw ≤	Ug	PSI	Uw ≤
5-20TSHi+	BRE 0832 / 240424 dated 25-10-07	E750 (750Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.6	1.1	0.04	1.5	1.0	0.04	1.4	
25Hi+ Lift & Slide	BRE 0832 / 282002 dated 23-10-12	E750 (750Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		BRE 0832 / 284262 dated 22-02-13	L111-070 / 34 (-2;-3)	NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.5	
25Hi+ Sliding	BRE 0832 / 283253 dated 08-11-12	Class 6A (250Pa)	E2400 (2400Pa)	Class 3 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.5	
5-20DHi+ (Single)	BRE 0832 / 242936 dated 24-02-08	Class 9A (600Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	WINKHAUS 2210 / TR943- A/B dated 24-09-09	PAS 23/24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.6	
5-20DHi+ (Single - Panic Door)	NPD				NOT REQUIRED		NPD		Tested to EN 1125	NONE	BRE 0832 / 260810-A/B dated 30-09-10	PAS 23/24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.6	
5-20DHi+ (Double)	BRE 0832 / 242936 dated 24-02-08	Class 9A (600Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	BRE 0832 / 266665-A/B dated 25-07-11	PAS 23/24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.6	
5-20DHi+ (Double - Panic Door)	NPD				NOT REQUIRED		NPD		Tested to EN 1125	NONE	BRE 0832 / 274565-B dated 30-07-12	PAS 24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.6	
25 Lift & Slide	BRE 0832 / 282002 dated 23-10-12	E750 (750Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		BRE 0832 / 284262 dated 22-02-13	L111-070 / 34 (-2;-3)	NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.6	
25 Sliding	BRE 0832 / 283253 dated 08-11-12	Class 6A (250Pa)	E2400 (2400Pa)	Class 3 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.6	
5-20TS	BRE 0832 / 240424 dated 25-10-07	E750 (750Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.7	1.1	0.04	1.6	1.0	0.04	1.5	
5-20D (Single)	BRE 0832 / 242936 dated 24-02-08	Class 9A (600Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	WINKHAUS 2210 / TR943- A/B dated 24-09-09	PAS 23/24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.6	
5-20D (Single - Panic Door)	NPD				NOT REQUIRED		NPD		Tested to EN 1125	NONE	BRE 0832 / 260810-A/B dated 30-09-10	PAS 23/24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.6	
5-20D (Double)	BRE 0832 / 242936 dated 24-02-08	Class 9A (600Pa)	E2400 (2400Pa)	Class 4 (600Pa)	NOT REQUIRED		NPD		NOT REQUIRED	NONE	BRE 0832 / 266665-A/B dated 25-07-11	PAS 23/24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.7	
5-20D (Double - Panic Door)	NPD				NOT REQUIRED		NPD		Tested to EN 1125	NONE	BRE 0832 / 274565-B dated 30-07-12	PAS 24	BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	1.8	1.1	0.04	1.7	1.0	0.04	1.7	
10 (Single)	NPD				NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	2.7	1.1	0.04	2.6	1.0	0.04	2.5	
10 (Single - Panic Door)	NPD				NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	2.7	1.1	0.04	2.6	1.0	0.04	2.5	
10 (Double)	NPD				NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	2.7	1.1	0.04	2.6	1.0	0.04	2.5	
10 (Double - Panic Door)	NPD				NOT REQUIRED		NPD		NOT REQUIRED	NONE	NPD		BSI 0086 / 8000693 dated 21-06-13	1.2	0.06	2.7	1.1	0.04	2.6	1.0	0.04	2.5	
Not to be declared under CE marking																							

Door u-value calculated based on single door configuration @ 1230 x 2180 (w x h) or double door configuration @ 2000 x 2180 (w x h) in line with EN 14351-1:2006(E) Annex E, Table E.2 clause 4.12

Thermal: The thermal transmittance figures are calculated by MT logikal software with correct input of glass Ug and PSI values. Any insertion elements within the curtain walling such as windows or doors must be declared seperately in relation to DoP or CE labels. Thermal calculations for windows (Uw) or doors (Ud) have been done according to EN ISO 10077-1: 2006 or DIN V 4108-4: 06.2007 and for curtain walls (Ucw) in compliance with EN 13947: 2006. Please contact MT technical department if additional configurations are required.

When adding the thermal transmittance figures to your DoP or CE label only one figure should be used from the configurations shown above - these figures are based on the centre pane Ug and PSI values shown.

For acoustics, please see attached document (CE-MT001) for extrapolation test data.

For classification and designation tables please see attached document (CE-MT002 & CE-MT003) which have been taken from EN 14351-1:2006(E)

Please note that for mandatory elements, if NOT REQUIRED, or NOT APPLICABLE is shown, this still must be declared on the DoP/CE label.

Mandatory elements required by CE marking.

CE Marking - Declared Performance Characteristics for Curtain Walling

	Weather Performance							Resistance to Impact					Security Performance		
Door System	Notified body / Report No	Watertightness	Resistance to wind load	Air permeability	Dangerous substances	Resistance to Own Dead load	Resistance to Horizontal load	Notified body / Report No	Standard tested	Resistance to Fire	Reaction to Fire	Fire Propagation	Notified body / Report No	Standard tested	Thermal transmittance
8	BRE 0832 / 241469 dated 13-01-08	Class 9A (600Pa)	2.4Kn/m2 (2400Pa)	Class 4 (600Pa)	NONE	Weight of glass Kn/m2 (3mm Max deflection)	BY CALCULATION	WINTECH 1288 / R13344-2 dated 25-06-13	BS EN 14019:2004 E5, I5	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NPD		Per project - In compliance with EN 13947: 2006
17HR	WINTECH 1288 / D-09/0910 dated 27-04-09	600Pa	2.4Kn/m2 (2400Pa)	600Pa	NONE	Weight of glass Kn/m2 (3mm Max deflection)	BY CALCULATION	WINTECH 1288 / R13344 dated 25-06-13	BS EN 14019:2004 E5, I5	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	BRE 0832 / 267038 dated 13-01-11	BS 7950:1997	Per project - In compliance with EN 13947: 2006
17SP	WINTECH 1288 / R846 dated 21-04-05	600Pa	2.4Kn/m2 (2400Pa)	600Pa	NONE	Weight of glass Kn/m2 (3mm Max deflection)	BY CALCULATION	WINTECH 1288 / R13344 dated 25-06-13	BS EN 14019:2004 E3, I5	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NPD		Per project - In compliance with EN 13947: 2006
17CS	WINTECH 1288 / D-09/1908 dated 14-09-09	600Pa	2.4Kn/m2 (2400Pa)	600Pa	NONE	Weight of glass Kn/m2 (3mm Max deflection)	BY CALCULATION	NPD		NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NPD		Per project - In compliance with EN 13947: 2006
17ROOF	WINTECH 1288 / D-10/3522 dated 20-05-10	600Pa	2.4Kn/m2 (2400Pa)	600Pa	NONE	Weight of glass Kn/m2 (3mm Max deflection)	BY CALCULATION	WINTECH 1288 / R0968 dated 02-04-12	CWCT notes 66/67	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NPD		Per project - In compliance with EN 13947: 2006
17LAT	WINTECH 1288 / R846 dated 21-04-05	600Pa	2.4Kn/m2 (2400Pa)	600Pa	NONE	Weight of glass Kn/m2 (3mm Max deflection)	BY CALCULATION	WINTECH 1288 / R13344 dated 25-06-13	BS EN 14019:2004 E5, I5	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NPD		Per project - In compliance with EN 13947: 2006
						See guidance note.							Not to be declared under CE marking		

Thermal: The thermal transmittance figures are calculated by MT logikal software with correct input of glass Ug and PSI values. Any insertion elements within the curtain walling such as windows or doors must be declared seperately in relation to DoP or CE labels. Thermal calculations for windows (Uw) or doors (Ud) have been done according to EN ISO 10077-1: 2006 or DIN V 4108-4: 06.2007 and for curtain walls (Ucw) in compliance with EN 13947: 2006.

Fire: Although mandatory, as MT do not offer a fire rated product no performance data has been shown.

Resistance to own dead load: Weight of glass (Kn/m2) would be project specific. Design of curtain walling members to resist own dead load is in compliance with BS EN 1991-1-1.

While 'Resistance to own deadload', and 'Resistance to horizontal load' have been classified as having NB certification this cannot be supported as there are no approved bodies within the UK available to approve structural calculations.

Resistance to horizontal load: This requires the fabricator to state what barrier load level the transoms have been designed to resist on a project specific basis i.e. 0.75Kn/m2, 1.50Kn/m2 or 3Kn/m2. Transom heights can vary from 800mm to 1100mm as set out in current building regulations. If no curtain walling member exists at this height the load must be resisted by the infill panel. Design of transom members to resist horizontal load is in compliance with BS EN 1991-1-1

For classification and designation tables please see attached document (CE-MT004) which have been taken from EN 13830:2003

Please note that for mandatory elements, if NOT REQUIRED, or NOT APPLICABLE is shown, this still must be declared on the DoP/CE label.

Mandatory elements required by CE marking.