

Intended use: Toughened safety glass, intended for use in buildings and construction works.

Manufacturer: Pyroguard France SARL, Parc d'activités communautaire n°1, 145 rue des Roseaux, 57455 Seingbouse, France.

AVCP System: 1

Harmonised Standard: EN 12150

Notified Body: EFECTIS France, Route de l'orme des merisiers, Espace technologique, F-91193 SAINT-AUBIN, France.

Certification body number: 1812

Product Name	Pyroguard T DH 30 / 8 EDC	Pyroguard T E 30 / 6	Pyroguard T E 30 / 8	Pyroguard T E 30 / 10	Pyroguard T E 30 / 12	Pyroguard T EW 30 / 6	Pyroguard T EW 60 / 6
Resistance to fire	DH 30	E 30	E 30	E 30	E 30	EW 30	EW 60
Reaction to fire	A1	A1	A1	A1	A1	A1	A1
External fire performance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	NPD	1C1	1C1	1C1	1C1	1C1	1C1
Resistance against sudden temperature changes and temperature differentials (K)	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance (mm)	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Direct airborne sound insulation (dB)	32	31	32	36	NPD	31	31
Thermal properties (W/m2K)	88	89	88	88	NPD	82	82
Radiation properties (EN 410)	5.7	5.7	5.7	5.6	NPD	5.7	5.7
Light transmission %	NPD	NPD	NPD	NPD	NPD	NPD	NPD
UG Value W/m2	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Solar direct transmittance: τ_e	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Solar direct reflectance: ρ_e	8	6	8	10	12	6	6

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: Neil Tilsley (CEO)

Signature:



Date: 30/11/16

Place of signature: HAYDOCK, UK

Declaration of Performance



Declared performances	EW30	EW30 IMPACT SATIN	EW30 IMPACT	EW30 WIRED & C WIRED	EW30 Monument	EW30 MAXI	EW30 MAXI SATIN	EW30 MAXI IMPACT	EW30 MAXI IMPACT SATIN	EW60	EW60 WIRED & C WIRED	EW60 SATIN	FD60
	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW60	EW60	EW60	NPD (E60 to BS476-22)
Resistance to fire													NPD
Reaction to fire													NPD
External fire performance													NPD
Bullet resistance													NPD
Explosion resistance													NPD
Burglar resistance													NPD
Pendulum body impact resistance	3(B)3	2(B)2	40K	NP	NP	2(B)2	3(1)3(1)3mm	1(B)1	2(B)2	2(B)2	40K	3(B)3	3(B)3
Resistance against sudden temperature changes and temperature differentials													40K
Wind, snow, permanent and imposed load resistance													3(1)3mm
Direct airborne sound insulation		33(-2-3)dB _{Rw}	5.7W/(m ² .K)	33(-2-3)dB _{Rw}	5.7W/(m ² .K)	35(-2-3)dB _{Rw}	5.6W/(m ² .K)	35(-2-3)dB _{Rw}	5.6W/(m ² .K)	35(-2-3)dB _{Rw}	5.7W/(m ² .K)	33(-2-3)dB _{Rw}	33(-2-3)dB _{Rw}
Thermal properties													5.7W/(m ² .K)
Radiation properties													
- Light transmission and reflection	0.87/0.07	NPD	0.87/0.07	0.86/0.08	0.87/0.07	0.85/0.08	0.85/0.08	0.85/0.08	0.85/0.08	0.85/0.08	0.84/0.08	NPD	0.87/0.07
- Solar energy characteristics	0.72/0.07	NPD	0.72/0.07	0.71/0.07	0.72/0.07	0.65/0.07	0.65/0.07	0.65/0.07	0.65/0.07	0.65/0.07	0.64/0.07	NPD	0.72/0.07

Signed for and on behalf of the manufacturer by Neil Tilsley, Chief Executive Officer, Pyroguard UK Limited at Haydock on 30/11/16

Signature:



CE
Pyroguard TE, EW & EI IGU

Issue 3 Aug 2016

Intended use: IGU's with fire resistant properties intended for use in buildings and construction works.
 Manufacturer: Pyroguard France SARL, Parc d'activités communautaire n°1, 145 rue des Roseaux, 57455 Seingbouse, France.
 AVCP System: 1
 Harmonised Standard: EN 1279
 Notified Body: EFECTIS France, Route de l'orme des merisiers, Espace technologique, F-91193 SAINT-AUBIN, France.
 Certification body number: 1812

Product Name	Pyroguard TE 30 / 6 VI	Pyroguard TE 30 / 8 VI	Pyroguard TE 30 / 10 VI	Pyroguard TE 30 / 12 VI	Pyroguard TE EW 30 / 13-1 VI	Pyroguard TE EW 60 / 6 VI	Pyroguard TE EW 60 / 13-1 VI	Pyroguard TE EW 90 / 13-1 VI	Pyroguard TE EI 30 / 18-2 VI	Pyroguard TE EI 60 / 25-3 VI	Pyroguard TE EI 60 / 26-2 VI	Pyroguard TE EI 90 / 32-2 VI	Pyroguard TE EI 120 / 47-3 VI
Resistance to fire	E 30	E 30	E 30	E 30	EW 30	EW 60	EW 60	EW 90	EI 30	EI 60	EI 60	EI 90	EI 120
Reaction to fire	E	E	E	E	E	E	E	E	E	E	E	E	E
External fire performance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	1C1	1C1	1C1	1C1	1C1	1C1	1C1	1B1	1B1	1B1	1B1	1B1	1B1
Resistance against sudden temperature changes and temperature differentials (K)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance (mm)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Direct airborne sound insulation (dB)	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
Thermal properties (W/m2K)	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
Radiation properties (EN 410)	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
Light transmission %	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
UG Value W/m2	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Solar direct transmittance: te	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Solar direct reflectance: pe	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: Neil Tilsley (CEO)

Date: 30/11/16

Place of signature: HAYDOCK, UK

Intended use: Use as a laminated safety glass with fire resistant properties, intended for use in buildings and construction works.
 Manufacturer: Pyroguard UK Limited, International House, Millfield Lane, Haydock, Merseyside, WA11 9GA
 AVCP System: 1 Harmonised Standard: EN 14449:2005
 Notified Body: TÜV Rheinland Nederland, Vissenstraat 6, 7324 AL Apeldoorn, Netherlands
 Certification body number: 0757

	Pyroguard EI30 INT	Pyroguard EI30 EXT	Pyroguard EI60 INT	Pyroguard EI60 EXT
Resistance to fire	EI30	EI30	EI60	EI60
Reaction to fire	NPD	NPD	NPD	NPD
External fire performance	NPD	NPD	NPD	NPD
Bullet resistance	NPD	NPD	NPD	NPD
Explosion resistance	NPD	NPD	NPD	NPD
Burglar resistance	NPD	NPD	NPD	NPD
Pendulum body impact resistance	1B1 40K	1B1 40K	1B1 40K	1B1 40K
Resistance against sudden temperature change and temperature differentials (K)				
Wind, snow, permanent and imposed load resistance	15mm - 3(1)3(1)3(1)3	19mm - 3(1)3(1)3(1)3 (1)3	23mm - 3(1)3(1)3(1)3 (1)3(1)3	27mm - 3(1)3(1)3(1)3 (1)3(1)3(1)3
Direct airborne sound insulation	38(-1;-3)dB	39(-1;-3)dB	40(-1;-3)dB	42(-1;-3)dB
Thermal properties (Total energy transmission factor)	0.71	0.67	0.66	0.62
Radiation properties - Light transmission	0.85	0.84	0.82	0.81
Radiation properties - Light reflection	0.08	0.08	0.08	0.08
Solar properties - Transmittance	0.63	0.57	0.56	0.51
Solar properties - Reflectance	0.07	0.07	0.06	0.06

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 AVCP System: 1 Harmonised Standard: EN 14449:2005
 Notified Body: EFECTIS France, Route de l'orme des merisiers, Espace technologique, F-91193 SAINT-AUBIN, France.
 Certification body number: 1812

Product Name	Pyroguard T EI 30 / 18-2	Pyroguard T EI 30 / 18-2 VF	Pyroguard T EI 30 / 25-2 SWS	Pyroguard T EI 30 / 32-2 SWS	Pyroguard T EI 60 / 25-3	Pyroguard T EI 60 / 25-3 VF	Pyroguard T EI 60 / 26-2	Pyroguard T EI 60 / 26-2 VF	Pyroguard T EI 60 / 36-2 SWS	Pyroguard T EI 60 / 40-2 SWS	Pyroguard T EI 90 / 32-2	Pyroguard T EI 90 / 32-2 VF	Pyroguard T EI 120 / 47-3	Pyroguard T EI 120 / 47-3 VF
Resistance to fire	EI 30	EI 30	EI 30	EI 30	EI 60	EI 60	EI 60	EI 60	EI 60	EI 60	EI 90	EI 90	EI 120	EI 120
Reaction to fire	E	NPD	NPD	NPD	NPD	NPD	E	E	E	E	E	E	E	E
External fire performance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	1B1	1B1	1B1	1B1	1B1	1B1	1B1	1B1	1B1	1B1	1B1	1B1	1B1	1B1
Resistance against sudden temperature changes and temperature differentials (K)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance (mm)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Direct airborne sound insulation (dB)	38	NPD	NPD	NPD	43	NPD	NPD	NPD	NPD	NPD	43	NPD	46	NPD
Thermal properties (W/m ² K)	74	CD	CD	CD	73	CD	CD	CD	CD	CD	71	CD	64	CD
Radiation properties (EN 410)	4.8	CD	CD	CD	4.4	CD	CD	CD	CD	CD	3.6	CD	3.4	CD
Light transmission %	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
UG Value W/m ²	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Solar direct transmittance: te	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Solar direct reflectance: pe	18	CD	25	32	25	CD	26	CD	36	40	32	CD	47	CD

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