

PYROBELITE 7

FIRE RESISTANT GLAZING EW 30
ACCORDING TO EN13501-2

DESCRIPTION

Pyrobelite 7 is a laminated glass assembled with one clear intumescent interlayer.
In the event of fire, the interlayer transforms into a rigid and opaque fire shield, that keeps out flames and reduces heat transmission. Pyrobelite 7 and 7EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobelite 7	Pyrobelite 7 EG	Pyrobelite 7 / 7 EG
	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Double glazed
Grade	Internal	Internal / External	Internal / External
Glass thickness	7.9 mm	11.3 mm	min 23.6 mm
Thickness tolerance	± 0.9 mm	± 1 mm	± 2 mm
Dimension tolerance	± 2 mm	± 2 mm	± 3 mm
Weight	ca 17 kg/m ²	ca 25 kg/m ²	min 32 kg/m ²
Minimum dimensions	No minimum	No minimum	200 x 400 mm
Light properties (EN 410): τ_v / ρ_v [%]	89/8	87/8	NPD
U value (EN 673)	5.7 W/(m ² .K)	5.5 W/(m ² .K)	NPD
Impact resistance (EN 12600)	3B3	1B1	NPD
Sound reduction (EN 12758): $R_w(C, C_{tr})$	34 dB (0; -3)	35 dB (-1; -2)	NPD

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Timber	13409 B	Pyrobelite 7	1100 x 2874	1698 x 710	3.16 m ²	44	10
		162123		840 x 2884	1958 x 820	2.42 m ²	37	7
		13238 B	Pyrobelite 7 EG	840 x 2874	1958 x 710	2.41 m ²	38	10
		14891 B	Pyrobelite 7 IGU	1000 x 2874	1783 x 850	2.87 m ²	42	13
	Steel – Jansen Economy 60	R06277	Pyrobelite 7 & Pyrobelite 7 EG	1205 x 2005	1421 x 777	2.42 m ²	37	8

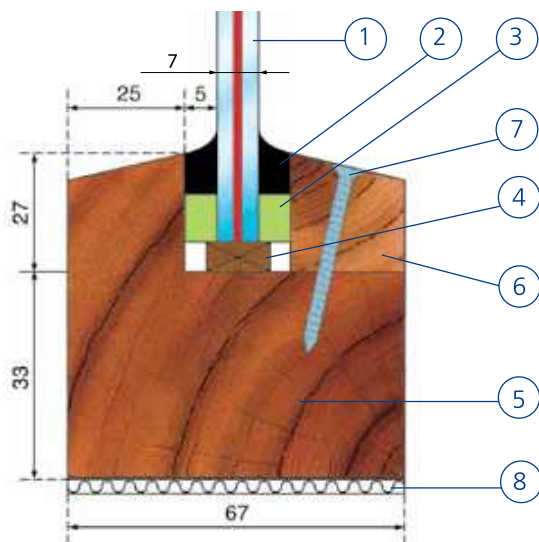
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBELITE 7

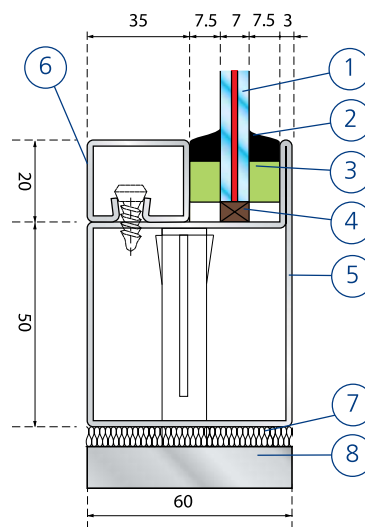
FIRE RESISTANT GLAZING EW 30 ACCORDING TO EN 13501-2

Timber frame (in mm)



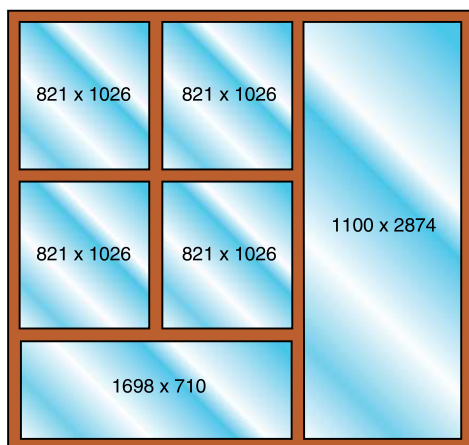
REPORT N° 13409 B

Steel frame (in mm)



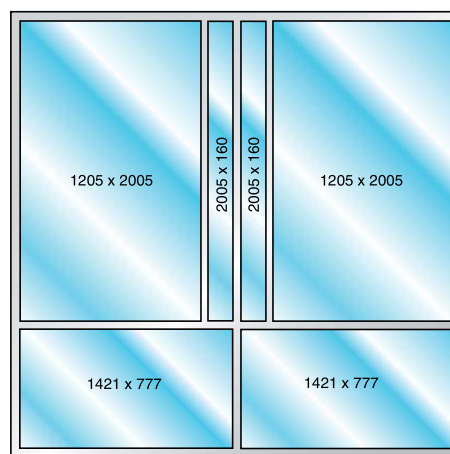
REPORT N° R06277

Example of assembly (in mm)
Unlimited partition



REPORT N° 13409 B

Example of assembly (in mm)
Unlimited partition



REPORT N° R06277

- 1 Pyrobelite 7 or 7 EG
- 2 DC Firestop 700
- 3 Ceramic fibre paper: Superswoll X607 15 x 5 mm
- 4 Setting block
- 5 Hardwood
- 6 Wooden Beads
- 7 Steel screw
- 8 Ceramic or mineral wool

- 1 Pyrobelite 7 or Pyrobelite 7EG
- 2 Sealant DC 815
- 3 Ceramic fibre paper: Superswoll X607 15 x 5 mm or Fiberfrax 15 x 4 mm
- 4 Setting block
- 5 Steel frame
- 6 Steel beads
- 7 Ceramic or mineral wool
- 8 Partition

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AGC

All of the installation details given in the report must be respected. The only authorised modifications are those mentioned in the report.

www.yourglass.com

GLASS UNLIMITED

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PYROBEL 8

FIRE RESISTANT GLAZING EI 15 AND EW 30

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 8 is a laminated glass assembled with one clear intumescent interlayer.

In the event of fire, the interlayer transforms into a rigid and opaque fire shield, that keeps out flames and reduces heat transmission with insulation of the partitions. Pyrobel 8 and 8 EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification

Pyrobel 8



yourglass.com

Pyrobel 8 EG



yourglass.com

Glazing type	Single	Single
Grade	Internal	Internal / External
Glass thickness	9.3 mm	13.1 mm
Thickness tolerance	± 1 mm	± 1.3 mm
Dimension tolerance	± 2 mm	± 2 mm
Weight	ca 20 kg/m ²	ca 28 kg/m ²
Minimum dimensions	No minimum	No minimum
Light properties (EN 410): τ_v / ρ_v [%]	88/8	86/8
U value (EN 673)	5.6 W/(m ² .K)	5.4 W/(m ² .K)
Impact resistance (EN 12600)	NPD	1B1
Sound reduction (EN 12758): $R_w(C, C_{tr})$	34 dB (-1; -3)	36 dB (-1; -3)

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

APPLICATION ^(*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h ^(**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Wood	Pr-05-1.02.62	Pyrobel 8	1000 x 2000	1782 x 802	2 m ²	48	21
		15928 B	Pyrobel 8	1400 x 2874	1383 x 850	4 m ²	31	20
		Pr-07-2-161 EN	Pyrobel 8 EG	1200 x 2000	1598 x 818	2.4 m ²	40	28
	Alu – SAPA	LP-724/03	Pyrobel 8	1200 x 2000	-	2.4 m ²	33	24

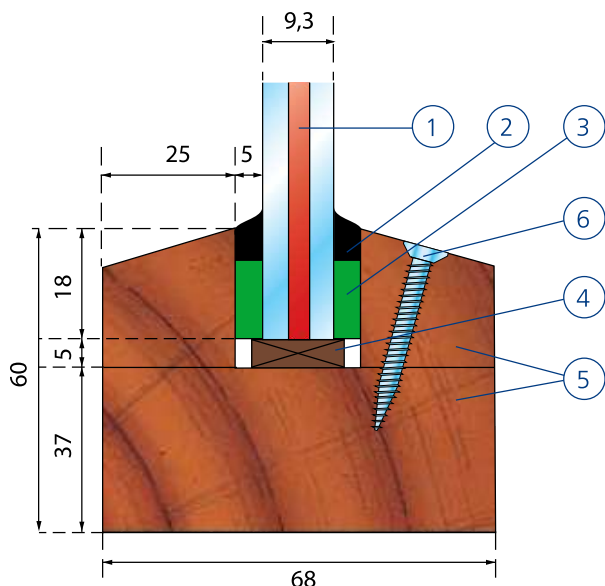
^(*) For alternative systems, please consult AGC

^(**) Extended application of results following EN 15254-4

PYROBEL 8

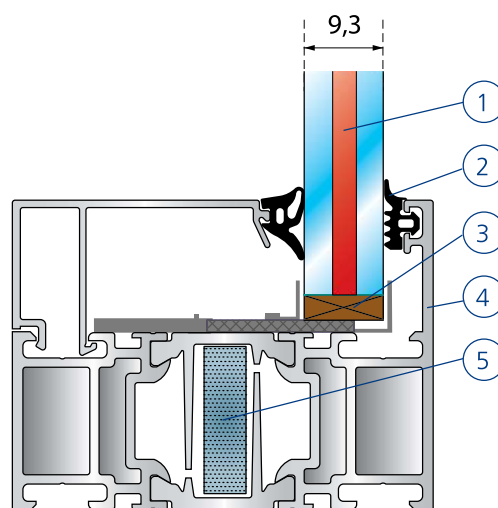
FIRE RESISTANT GLAZING EI 15 AND EW 30 ACCORDING TO EN13501-2

Timber frame (in mm)



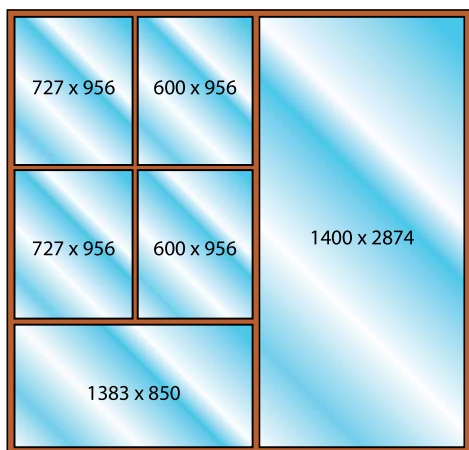
REPORT N° 15928 B

Aluminium frame (in mm)



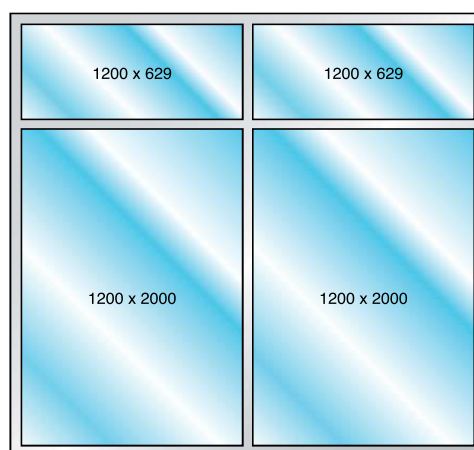
Report N° LP-724-03

Example of assembly (in mm)
Unlimited partition



REPORT N° 15928 B

Example of assembly (in mm)
Unlimited partition



Report N° LP-724-03

- 1 Pyrobel 8
- 2 Neutral silicone
- 3 Ceramic fiber paper Superwool X607 5 mm
- 4 Settings block 5 mm thick
- 5 Wood Meranti
- 6 Steel screw

- 1 Pyrobel 8
- 2 EPDM sealant
- 3 Settings block 4 mm thick
- 4 Aluminium profile
- 5 Fireboard

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PYROBELITE 10

FIRE RESISTANT GLAZING EW 30

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobelite 10 is a laminated glass assembled with one clear intumescent interlayer.

In the event of fire, the interlayer transforms into a rigid and opaque fire shield, that keeps out flames and reduces heat transmission. Pyrobelite 10 provides fire resistance in both directions.

TECHNICAL DATA

Specification / Identification

Pyrobelite 10



yourglass.com

Glazing type	Single
Grade	Internal
Glass thickness	11 mm
Thickness tolerance	± 1 mm
Dimension tolerance	± 2 mm
Weight	ca 26 kg/m ²
Minimum dimensions	No minimum
Light properties (EN 410): τ_v / ρ_v [%]	86/8
U value (EN 673)	5.6 W/(m ² .K)
Impact resistance (EN 12600)	2B2
Sound reduction (EN 12758): $R_w(C, C_{tr})$	37 dB (-1; -3)

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Timber	15285 B	Pyrobelite 10	1100 x 2874	1683 x 850	3.16 m ²	36	13
	Steel – Jansen ECO60	15517 B	Pyrobelite 10	1000 x 2860	1775 x 850	2.86 m ²	43	-

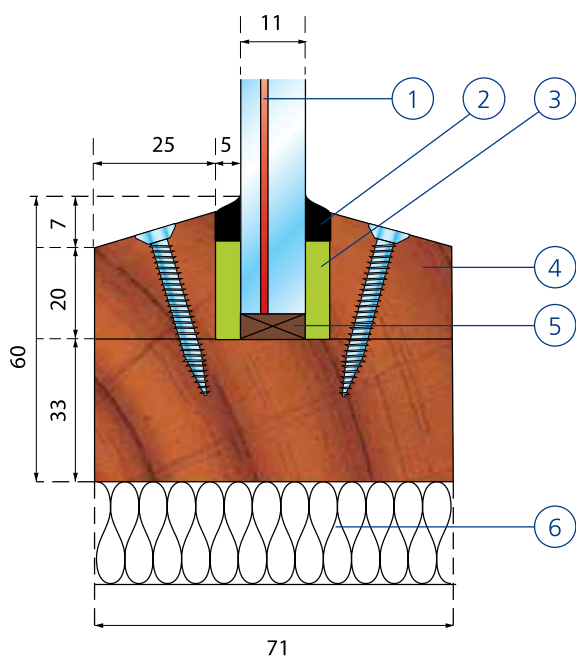
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBELITE 10

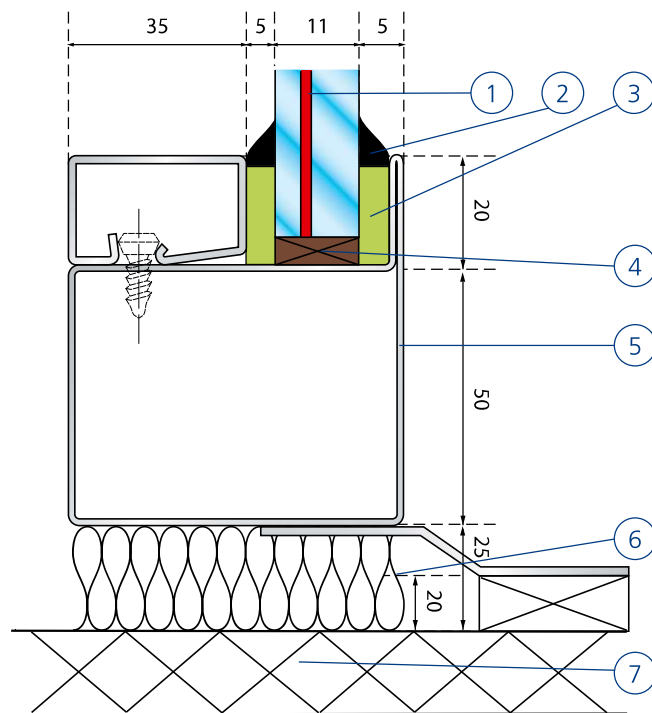
FIRE RESISTANT GLAZING EW 30 ACCORDING TO EN 13501-2

Timber frame (in mm)



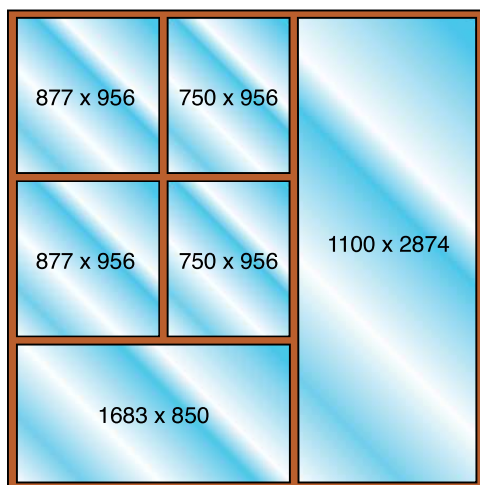
Report N° 15285 B

Steel frame (in mm)



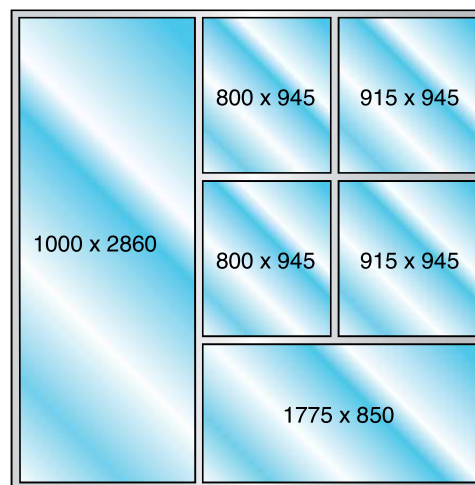
Report N° 15517 B

Example of assembly (in mm)
Unlimited partition



Report N° 15285 B

Example of assembly (in mm)
Doorset - Unlimited partition



Report N° 15517 B

- 1 Pyrobelite 10
- 2 DC Firestop 700
- 3 Ceramic fibre paper: Superwool X607
- 4 Wooden frame
- 5 Setting block
- 6 Stonewool

- 1 Pyrobelite 10
- 2 DC Firestop 700
- 3 Ceramic fibre paper: Superwool X607
- 4 Setting block
- 5 Steel profile Economy 60
- 6 Mineral wool
- 7 Partition

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PYROBELITE 12

FIRE RESISTANT GLAZING EI 20, EW 30 AND EW 60
ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobelite 12 is a laminated glass assembled with several clear intumescent interlayers. In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobelite 12 and 12 EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobelite 12	Pyrobelite 12 EG	Pyrobelite 12 / 12 EG
	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Double glazed
Grade	Internal	Internal / External	Internal / External
Glass thickness	12.3 mm	16.1 mm	min 28 mm
Thickness tolerance	± 1 mm	± 1 mm	± 2 mm
Dimension tolerance	± 2 mm	± 2 mm	± 3 mm
Weight	ca 27 kg/m ²	ca 35 kg/m ²	min 43 kg/m ²
Minimum dimensions	No minimum	No minimum	300 x 400 mm
Light properties (EN 410): τ_v / ρ_v [%]	86/8	85/8	NPD
U Value (EN 673)	5.6 W/(m ² .K)	5.4 W/(m ² .K)	NPD
Impact resistance (EN 12600)	2B2	1B1	NPD
Sound reduction (EN 12758): Rw(C, Ctr)	36 dB (-1; -3)	38 dB (-1; -3)	NPD

NPD : No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

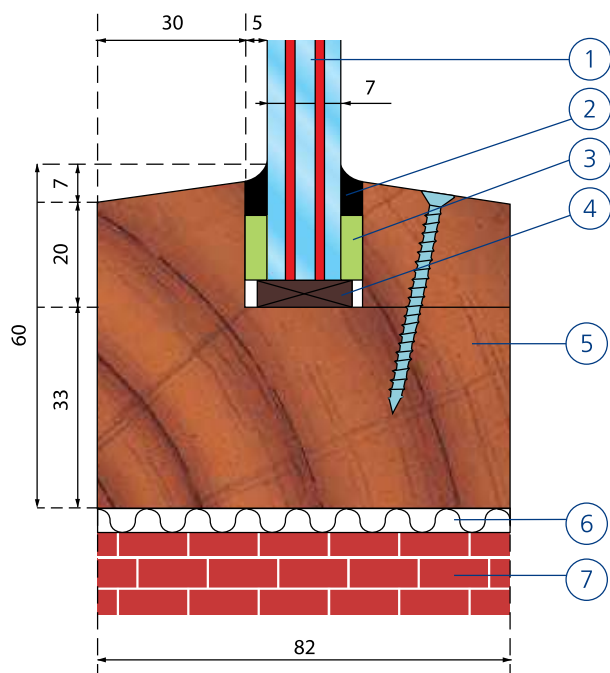
APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Timber	157797	Pyrobelite 12	914 x 2400	1886 x 418	2.19 m ²	60	26
		14390 B	Pyrobelite 12 EG	1100 x 2874	1683 x 850	3.16 m ²	59	29
	Steel – Jansen Economy 50	13051 B	Pyrobelite 12	1315 x 2880	1510 x 937	3.79 m ²	35	9
		12529 B		695 x 1889	1424 x 641	1.3 m ²	65	10
		13051 B		695 x 1889	1424 x 641	1.3 m ²	65	10
		14426 B	Pyrobelite 12 EG	1000 x 2860	1775 x 800	2.86 m ²	53	9

(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

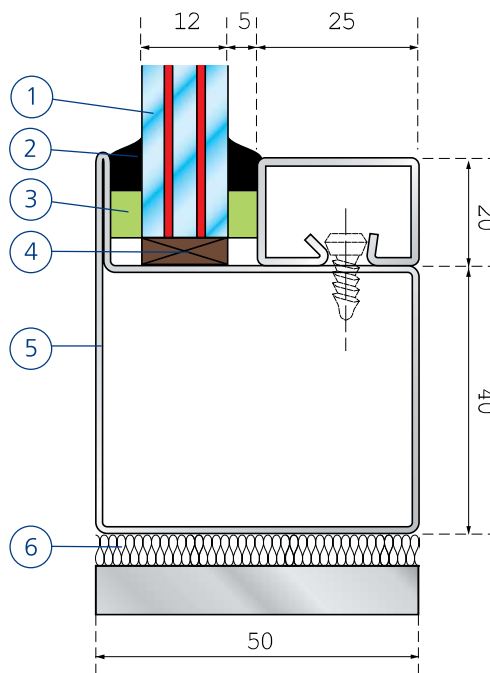
FIRE RESISTANT GLAZING EI 20, EW 30 AND EW 60 ACCORDING TO EN 13501-2

Timber frame (in mm)



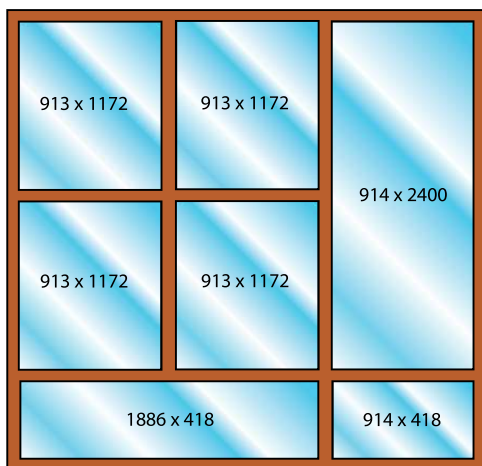
REPORT N° 157797

Steel frame (in mm)



REPORT N° 13051 B

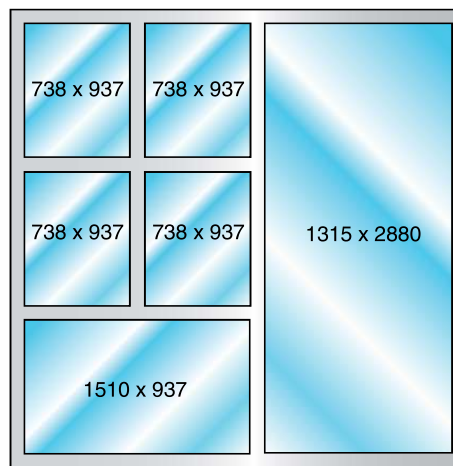
Example of assembly (in mm)
Unlimited partition



REPORT N° 157797

- 1 Pyrobelite 12
- 2 DC Firestop 700
- 3 Ceramic fibre paper: Superwool X607
- 4 Setting block
- 5 Hardwood frame
- 6 Ceramic or mineral wool
- 7 Partition

Example of assembly (in mm)
Unlimited partition



REPORT N° 13051 B

- 1 Pyrobelite 12 / Pyrobelite 12 EG
- 2 DC Firestop 700
- 3 Ceramic fibre paper: Superwool X607
20 x 5 mm
- 4 Setting block
- 5 Steel frame
- 6 Ceramic or mineral wool

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PYROBEL 16

FIRE RESISTANT GLAZING EI 30 AND EW 60
ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 16 is a laminated glass assembled with several clear intumescent interlayers. In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 16 and 16 EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobel 16	Pyrobel 16 EG	Pyrobel 16 / 16 EG
	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Double Gglazed
Grade	Internal	Internal / External	Internal / External
Glass thickness	17.3 mm	21.1 mm	min 33 mm
Thickness tolerance	± 1 mm	± 1.5 mm	± 3 mm
Dimension tolerance	± 2 mm	± 2 mm	± 3 mm
Weight	ca 40 kg/m ²	ca 48 kg/m ²	min 56 kg/m ²
Minimum dimensions	No minimum	No minimum	300 X 400 mm
Light properties (EN 410): τ_v / ρ_v [%]	84/8	83/7	NPD
U value (EN 673)	5.4 W/(m ² .K)	5.2 W/(m ² .K)	NPD
Impact resistance (EN 12600)	2B2	1B1	NPD
Sound reduction (EN 12758): Rw(C, Ctr)	39 dB (-1; -3)	39 dB (-1; -3)	NPD

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1, EN 1364-3 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Timber	12277 B	Pyrobel 16	1600 x 2874	1198 x 500	4.6 m ²	48	36
		12857 B	Pyrobel 16 IGU	1700 x 2874	-	4.89 m ²	49	34
	Steel – Jansen Janisol 2	12341 B	Pyrobel 16	900 x 2836	1872 x 500	2.55 m ²	66	32
		12342 B		1600 x 2836	1172 x 500	4.54 m ²	52	33
	Steel – Jansen Economy 50	12447 B		695 x 1889	1424 x 641	1.31 m ²	68	10
	Steel – Forster Fuegolight	443863/10		1407 x 2839	1371 x 1005	3.99 m ²	45	31
		14539 B	Pyrobel 16 EG IGU	-	2835 x 1400	3.97 m ²	49	34
Doors	Alu - Schüco Firestop 2	Pr-03-02.114	Pyrobel 16 IGU	1184 x 2514	-	2.98 m ²	46	36
Façades	Steel – Jansen Janisol 2	EF/FV/1080	Pyrobel 16 IGU	1440 x 2935	-	4.23 m ²	45	31

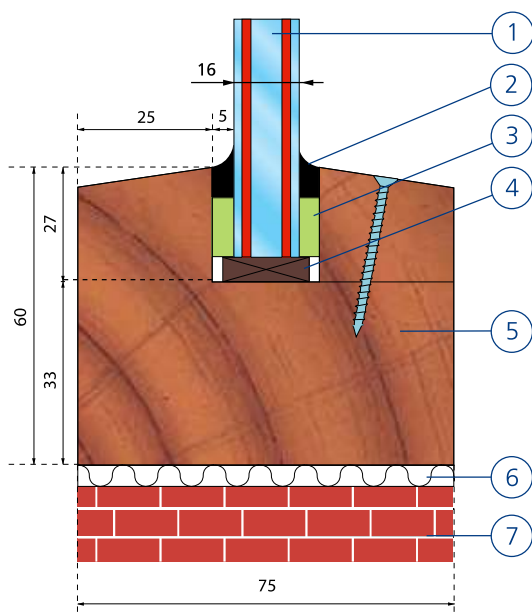
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBEL 16

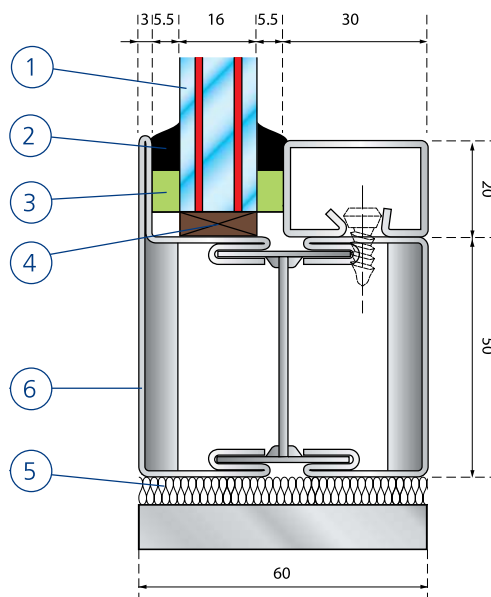
FIRE RESISTANT GLAZING EI 30 AND EW 60 ACCORDING TO EN 13501-2

Timber frame (in mm)



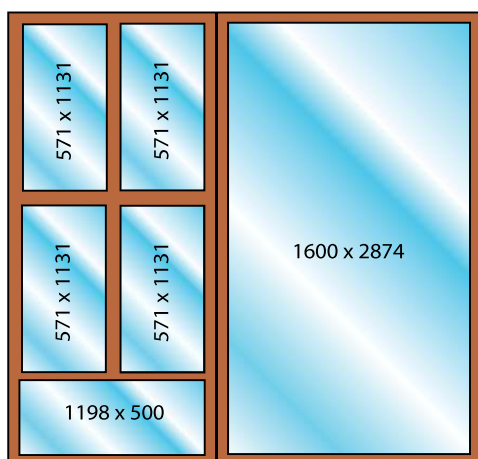
REPORT N° 12277 B

Steel frame (in mm)



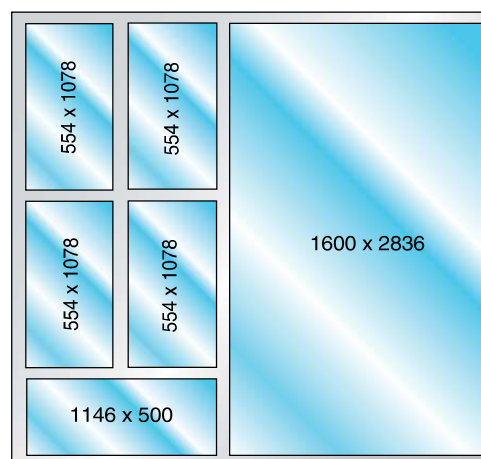
REPORT N° 12342 B

Example of assembly (in mm)
Unlimited partition



REPORT N° 12277 B

Example of assembly (in mm)
Unlimited partition



REPORT N° 12342 B

- 1 Pyrobel 16
- 2 Neutral sealant
- 3 Ceramic fibre paper: Superwool X607 20 x 5 mm
- 4 Setting block
- 5 Hardwood partition
- 6 Ceramic or mineral wool
- 7 Partition

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PYROBEL 17N

FIRE RESISTANT GLAZING EI 45 AND EW 60

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 17N is a laminated glass assembled with several clear intumescent interlayers.

In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 17N and 17N EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobel 17N	Pyrobel 17N EG	Pyrobel 17N / 17N EG
	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Double glazed
Grade	Internal	Internal / External	Internal / External
Glass thickness	17.8 mm	21.6 mm	min 34 mm
Thickness tolerance	± 1.6 mm	± 1.8 mm	± 2 mm
Dimension tolerance	± 2 mm	± 3 mm	± 3 mm
Weight	ca 40 kg/m ²	ca 48 kg/m ²	min 56 kg/m ²
Minimum dimensions	No minimum	No minimum	300 x 400 mm
Light properties (EN 410): τ_v / ρ_v [%]	86/8	85/8	NPD
U Value (EN 673)	5.4 W/(m ² .K)	5.2 W/(m ² .K)	NPD
Impact resistance (EN 12600)	1B1	1B1	NPD
Sound reduction (EN 12758): $R_w(C, C_{tr})$	39 dB (0; -3)	40 dB (-1; -3)	NPD

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Timber	14263 B	Pyrobel 17N	1300 x 2874	1498 x 850	3.73 m ²	79	49
		14295 B	Pyrobel 17N EG	1256 x 2830	1498 x 850	3.55 m ²	57	49
		14652 B	Pyrobel 17N IGU	1300 x 2874	1483 x 850	3.73 m ²	73	64
	Steel – Jansen ECO50	13931 B	Pyrobel 17N	1100 x 2861	1719 x 832	3.15 m ²	70	10
	Steel – Jansen Janisol C4	14461 B		1300 x 2850	1470 x 830	3.71 m ²	73	48
	Steel – Jansen ECO60	14335 B	Pyrobel 17N EG	1100 x 2860	1720 x 836	3.15 m ²	74	10

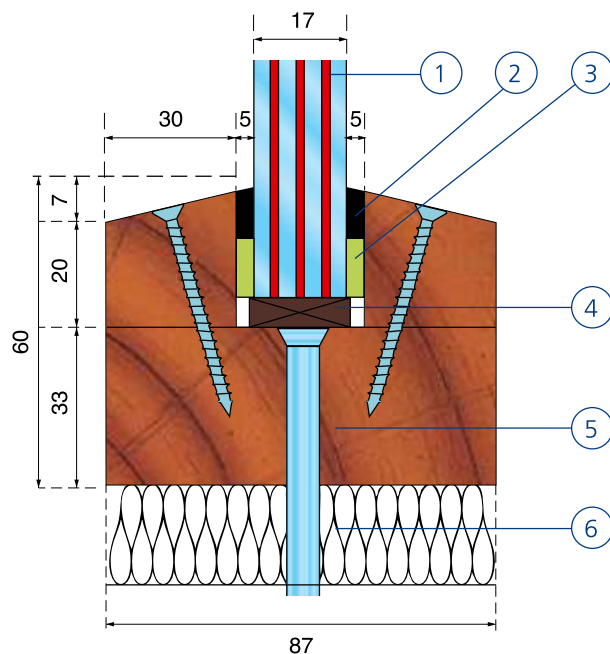
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBEL 17N

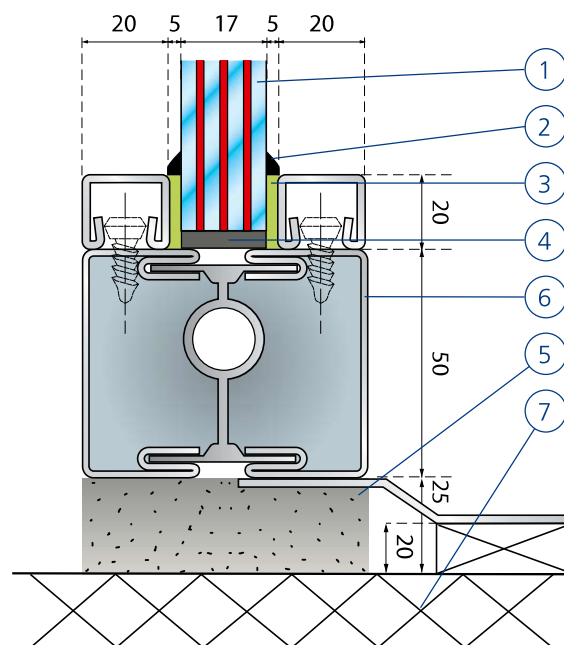
FIRE RESISTANT GLAZING EI 45 AND EW 60 ACCORDING EN 13501-2

Timber frame (in mm)



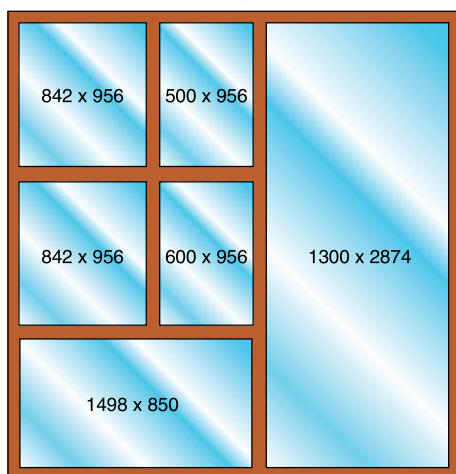
REPORT N° 14263 B

Steel frame (in mm)



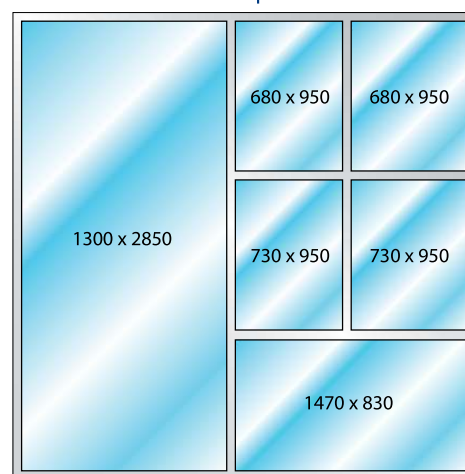
REPORT N° 14461 B

Example of assembly (in mm)
Unlimited partition



REPORT N° 14263 B

Example of assembly (in mm)
Unlimited partition



REPORT N° 14461 B

- 1 Pyrobel 17N - Pyrobel 17N IGU
- 2 DC Firestop 700
- 3 Ceramic fibre paper: Superwool X607
- 4 Setting block
- 5 Hardwood frame
- 6 Ceramic or mineral wool

- 1 Pyrobel 17N
- 2 DC Firestop 700
- 3 Ceramic fibre paper: Superwool X607
- 4 Setting block
- 5 Promatect H
- 6 Jansen C4
- 7 Partition

All of the installation details given in the report must be respected. The only authorised modifications are those mentioned in the report.

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Fire Resistant Glass C+E E-ENG - PrintActive - April 2013

PYROBEL 25

FIRE RESISTANT GLAZING EI 60

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 25 is a laminated glass assembled with several clear intumescent interlayers.

In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 25 and 25 EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobel 25	Pyrobel 25 EG	Pyrobel 25 / 25 EG
	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Double glazed
Grade	Internal	Internal / External	Internal / External
Glass thickness	26.6 mm	30.4 mm	min 43 mm
Thickness tolerance	± 2 mm	± 2 mm	± 3 mm
Dimension tolerance	± 2 mm	± 2 mm	± 3 mm
Weight	ca 60 kg/m ²	ca 68 kg/m ²	min 75 kg/m ²
Minimum dimensions	No minimum	No minimum	300 x 400 mm
Light properties (EN 410): τ_v / ρ_v [%]	81/7	80/7	NPD
U value (EN 673)	5.2 W/(m ² .K)	5.0 W/(m ² .K)	NPD
Impact resistance (EN 12600)	1B1	1B1	NPD
Sound reduction (EN 12758): $R_w(C, C_{tr})$	40 dB (-1; -3)	43 dB (-1; -4)	NPD

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

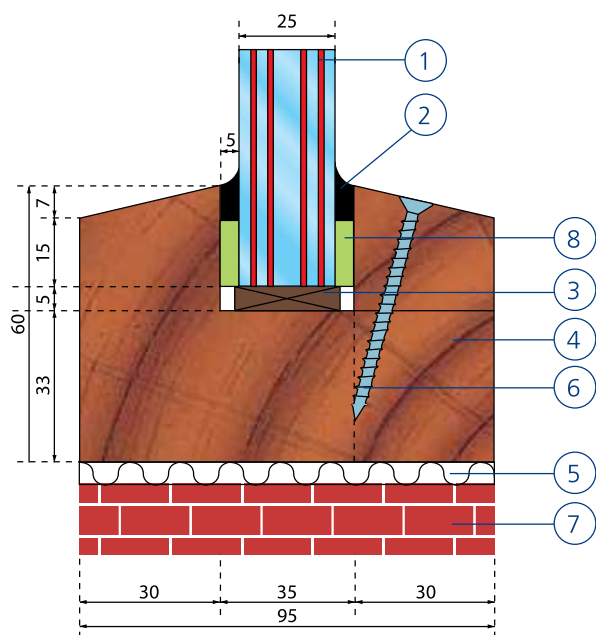
APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Timber	Pr - 01 - 02.053	Pyrobel 25	1400 x 2700	1398 x 844	3.78 m ²	77	76
		08-V-395	Pyrobel 25 EG	1120 x 1808	2307 x 1400	3.23 m ²	75	75
		11631 B	Pyrobel 25 IGU	1700 x 2874	-	4.88 m ²	82	67
	Steel – Jansen Janisol 3k	11560 B	Pyrobel 25	1913 x 2865	-	5.48 m ²	82	63
		07V138 B		1520 x 2420	-	3.68 m ²	67	63
		07-V-328	Pyrobel 25 IGU	1588 x 1988	-	3.16 m ²	72	64
		07V138 B	Pyrobel 25 EG IGU	1265 x 2420	-	3.06 m ²	67	63
Façade	Steel – Jansen Viss Fire	12031 B	Pyrobel 25 IGU	1395 x 2903	1478 x 1303	4.05 m ²	80	67
	Steel – Forster Thermix Vario	R0750	Pyrobel 25 EG IGU	1500 x 2920	-	4.38 m ²	75	75

(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

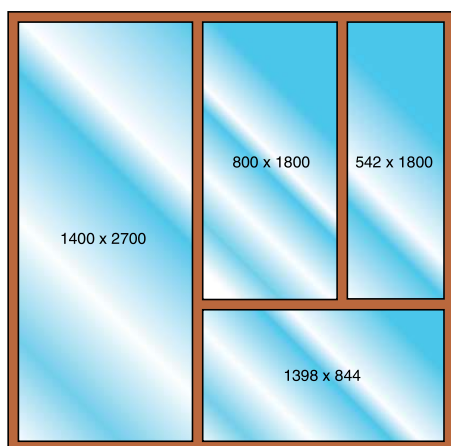
FIRE RESISTANT GLAZING EI 60 ACCORDING TO EN 13501-2

Timber frame (in mm)



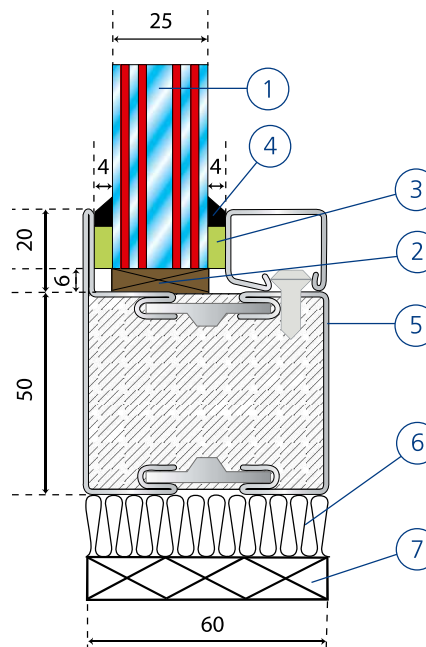
REPORT N° Pr - 01 - 02.053

Example of assembly (in mm)
Unlimited partition



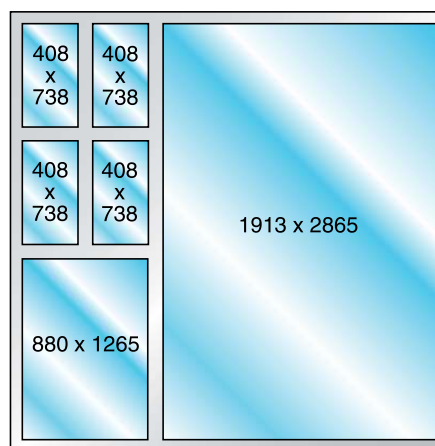
REPORT N° Pr - 01 - 02.053

Steel frame (in mm)



REPORT N° 11560 B

Example of assembly (in mm)
Unlimited partition



REPORT N° 11560 B

- | | | | |
|---|-------------------------|---|-----------------------------|
| 1 | Pyrobel 25 | 5 | Ceramic or mineral wool |
| 2 | Neutral sealant | 6 | Steel screw 50 x 4 mm |
| 3 | Setting block 70 x 5 mm | 7 | Partition |
| 4 | Hardwood frame | 8 | Foam tape with closed cells |

- 1 Pyrobel 25 - Pyrobel 25EG
- 2 Setting block 70 x 26 x 6 mm
- 3 Ceramic fibre paper 20 x 4 Fiberfrax
or Superwool X607
- 4 Neutral sealant
- 5 Steel frame
- 6 Ceramic or mineral wool
- 7 Partition

Fire Resistant Glass C+E E ENG - PrintActive - April 2013

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PYROBEL 30

FIRE RESISTANT GLAZING EI 90

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 30 is a laminated glass assembled with several clear intumescent interlayers.

In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 30 and 30 EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobel 30	Pyrobel 30 EG	Pyrobel 30 / 30 EG
	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Double glazed
Grade	Internal	Internal / External	Internal / External
Glass thickness	30 mm	33,7 mm	min 46 mm
Thickness tolerance	± 2.5 mm	± 2.8 mm	± 3 mm
Dimension tolerance	± 2 mm	± 2 mm	± 3 mm
Weight	ca 69 kg/m ²	ca 77 kg/m ²	min 84 kg/m ²
Minimum dimensions	No minimum	No minimum	300 x 400 mm
Light properties (EN 410): τ_v / ρ_v [%]	83/8	81/8	NPD
U value (EN 673)	5.1 W/(m ² .K)	4.9 W/(m ² .K)	NPD
Impact resistance (EN 12600)	1B1	1B1	NPD
Sound reduction (EN 12758): $R_w(C, C_{tr})$	42 dB (-1; -4)	43 dB (-1; -4)	NPD

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

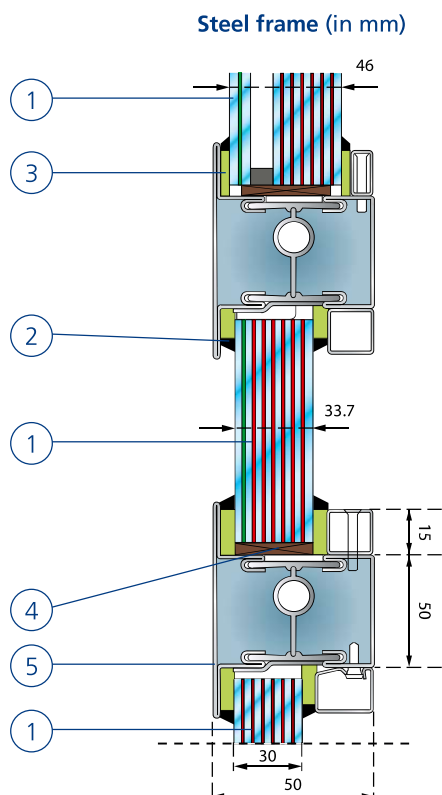
APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Steel – Jansen Janisol C4	10V433	Pyrobel 30	1502 x 1508	-	2.26 m ²	93	90
			Pyrobel 30 EG	278 x 1508	1204 x 695	0.84 m ²	93	90
			Pyrobel 30 IGU	940 x 1580	2502 x 1302	3.25 m ²	93	90
	Steel Insulated	3169/606/11	Pyrobel 30	1400 x 2920	1490 x 953	4.08 m ²	90	90

(*) For alternative systems, please consult AGC

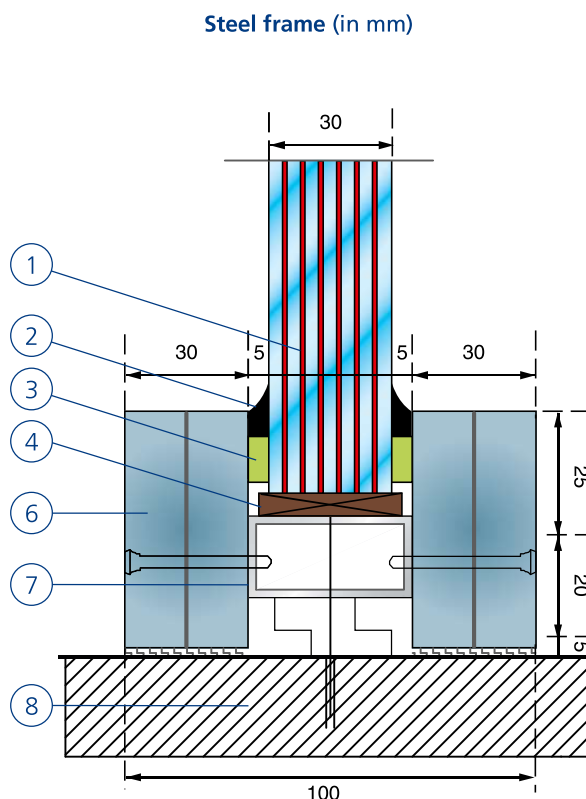
(**) Extended application of results following EN 15254-4

PYROBEL 30

FIRE RESISTANT GLAZING EI 90 ACCORDING TO EN13501-2

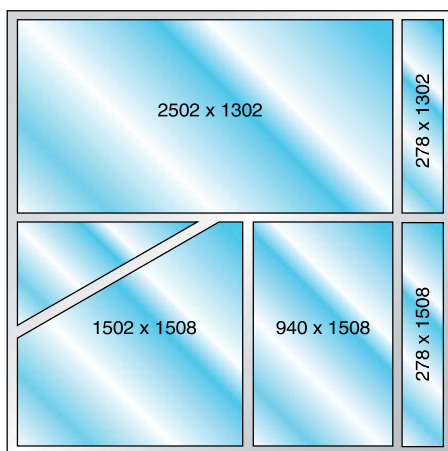


REPORT N° 10V433



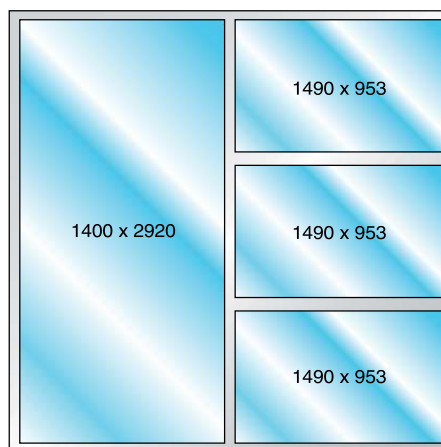
REPORT N° 3169/606/11

Example of assembly (in mm)
Unlimited partition



REPORT N° 10V433

Example of assembly (in mm)
Unlimited partition



REPORT N° 3169/606/11

- | | |
|---|---------------|
| 1 Pyrobel 30 - Pyrobel 30 EG - Pyrobel 30 IGU | 5 Janisol C4 |
| 2 Firestop 700 | 6 Promatect H |
| 3 Ceramic fibre paper: Superwool X607 | 7 Steel tube |
| 4 Setting block | 8 Partition |

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PYROBEL 53N

FIRE RESISTANT GLAZING EI 120

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 53N is a laminated glass assembled with several clear intumescent interlayers.

In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 53N and 53N EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobel 53N	Pyrobel 53N EG
	 yourglass.com	 yourglass.com
Glazing type	Single	Single
Grade	Internal	Internal / External
Glass thickness	52.7 mm	56.5 mm
Thickness tolerance	± 3 mm	± 3 mm
Dimension tolerance	± 2 mm	± 2 mm
Weight	ca 122 kg/m ²	ca 130 kg/m ²
Minimum dimensions	No minimum	No minimum
Light properties (EN 410): τ_v / ρ_v [%]	75/6	73/7
U value (EN 673)	4.5 W/(m ² .K)	4.4 W/(m ² .K)
Impact resistance (EN 12600)	1B1	1B1
Sound reduction (EN 12758): R _w (C, C _{tr})	48 dB (-2; -7)	49 dB (-2; -7)

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

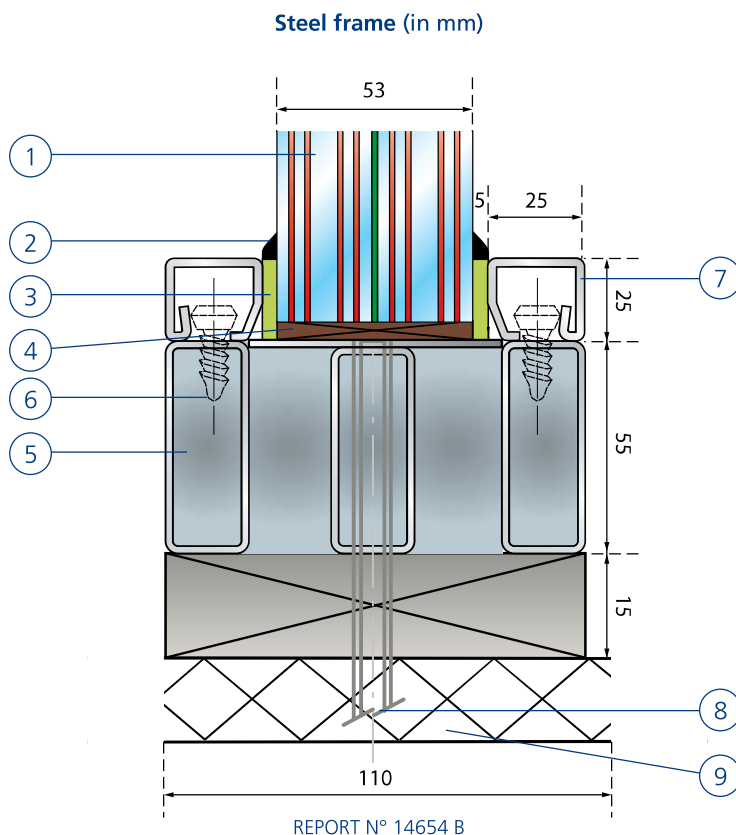
APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	EW	EI
Partition	Steel – Forster Fuego	14654 B	Pyrobel 53N	1300 x 2850	1460 x 800	3.71 m ²	123	123

(*) For alternative systems, please consult AGC

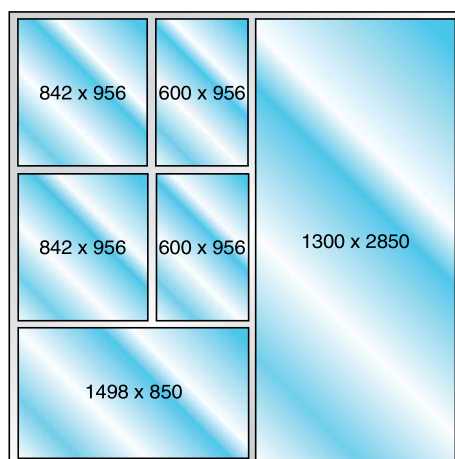
(**) Extended application of results following EN 15254-4

PYROBEL 53N

FIRE RESISTANT GLAZING EI 120 ACCORDING TO EN 13501-2



Example of assembly (in mm) Unlimited partition



REPORT N° 14654 B

- 1 Pyrobel 53N
- 2 Silicone Momentive Pensil 300 - grey
- 3 Superwool Paper X607
- 4 Setting block 5 mm
- 5 Forster Fuego frame

- 6 Steel screw
- 7 Beads
- 8 Fixations: Hilti 100 HT - Ø 10 x 132 mm
- 9 Partition

All of the installation details given in the report must be respected. The only authorised modifications are those mentioned in the report.

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PYROBEL Horizontal

FIRE RESISTANT GLAZING EI 30, EI 45 AND EI 60

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 19H, 23H and 28H are a laminated glasses assembled with several clear intumescent interlayers. In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 19H, 23H and 28H provide fire resistance from the bottom side.

TECHNICAL DATA

Specification / Identification	Pyrobel 19H	Pyrobel 23H	Pyrobel 28H
	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Single
Grade	Internal / External	Internal / External	Internal / External
Glass thickness	19.1 mm	23.7 mm	28.4 mm
Thickness tolerance	± 1.5 mm	± 1.8 mm	± 2 mm
Dimension tolerance	± 2 mm	± 2 mm	± 2 mm
Weight	ca 43 kg/m ²	ca 54 kg/m ²	min 63 kg/m ²
Minimum dimensions	No minimum	No minimum	No minimum
Light properties (EN 410): τ_v / ρ_v [%]	81/7	80/7	78/7
U value (EN 673)	5.2 W/(m ² .K)	5 W/(m ² .K)	4.9 W/(m ² .K)
Impact resistance (EN 12600)	1B1	1B1	1B1
Sound reduction (EN 12758): $R_w(C, C_{tr})$	38 dB (-1; -3)	39 dB (0; -3)	41 dB (0; -3)

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1365-2 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)		Results (minutes)	
				Horizontal	Surface	EW	EI
Floor / Ceiling	Steel Insulated	Pr-05-1.02.086	Pyrobel 19H	1100 x 2100	2.31 m ²	30	30
		Pr-04-1.02.140	Pyrobel 23H	1100 x 2100	2.31 m ²	54	54
		Pr-04-1.02.149	Pyrobel 28H	1100 x 2100	2.31 m ²	61	61

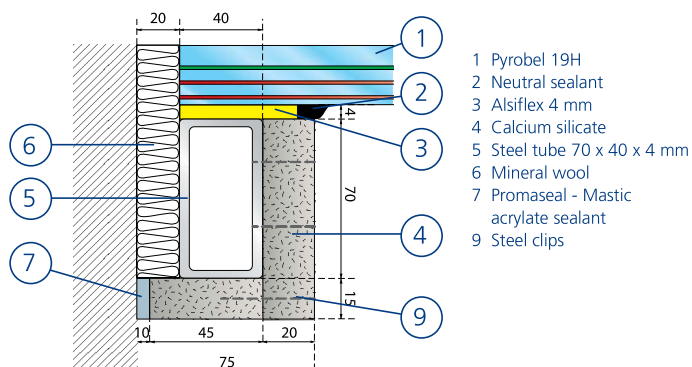
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBEL Horizontal

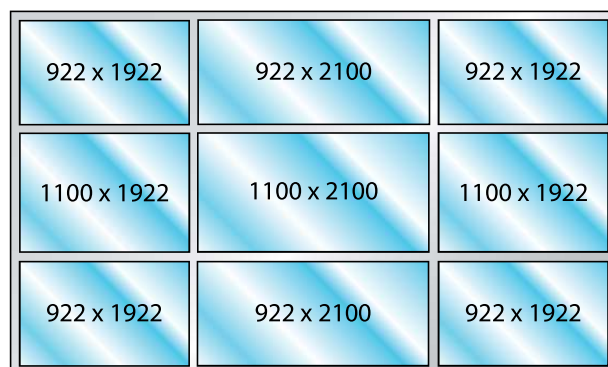
FIRE RESISTANT GLAZING EI 30, EI 45 AND EI 60 ACCORDING EN 13501-2

Steel frame EI 30* (in mm)



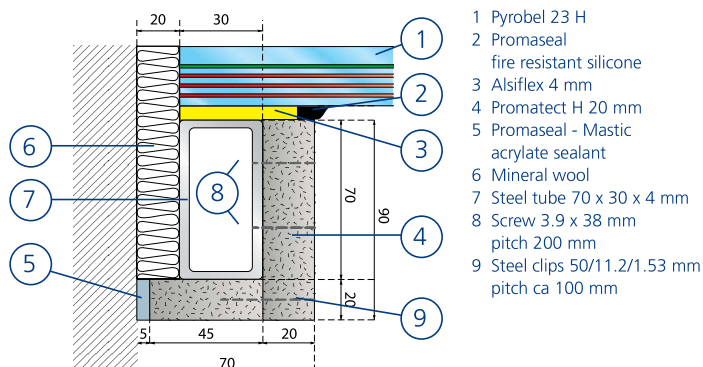
- 1 Pyrobel 19H
- 2 Neutral sealant
- 3 Alsiflex 4 mm
- 4 Calcium silicate
- 5 Steel tube 70 x 40 x 4 mm
- 6 Mineral wool
- 7 Promaseal - Mastic acrylate sealant
- 9 Steel clips

Example of assembly (in mm)
Unlimited length



REPORT N° Pr-05-1.02.086

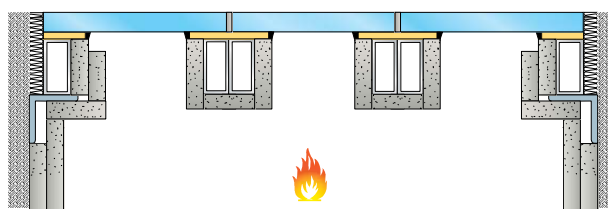
Steel frame EI 45* (in mm)



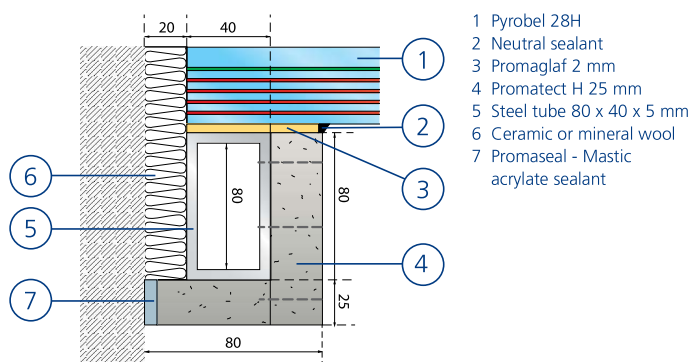
- 1 Pyrobel 23 H
- 2 Promaseal fire resistant silicone
- 3 Alsiflex 4 mm
- 4 Promatect H 20 mm
- 5 Promaseal - Mastic acrylate sealant
- 6 Mineral wool
- 7 Steel tube 70 x 30 x 4 mm
- 8 Screw 3.9 x 38 mm pitch 200 mm
- 9 Steel clips 50/11.2/1.53 mm pitch ca 100 mm

REPORT N° Pr-04-1.02.140

Example of assembly (in mm)



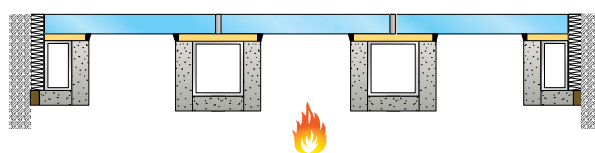
Steel frame EI 60* (in mm)



- 1 Pyrobel 28H
- 2 Neutral sealant
- 3 Promaglaf 2 mm
- 4 Promatect H 25 mm
- 5 Steel tube 80 x 40 x 5 mm
- 6 Ceramic or mineral wool
- 7 Promaseal - Mastic acrylate sealant

REPORT N° Pr-04-1.02.149

Example of assembly (in mm)



*** For floor applications, please contact your AGC technical team.**

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Fire Resistant Glass C+E ENG - PrintActive - April 2013

PYROBEL 16 VL

FIRE RESISTANT GLAZING EI 30

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 16 VL is a laminated glass assembled with several clear intumescent interlayers.

In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 16 VL and 16 VL EG provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobel 16 VL	Pyrobel 16 EG VL	Pyrobel 16 EG2 VL	Pyrobel 16+6 EG VL
	 yourglass.com	 yourglass.com	 yourglass.com	 yourglass.com
Glazing type	Single	Single	Single	Single
Grade	Internal	Internal / External	Internal / External	Internal / External
Glass thickness	17.3 mm	21.1 mm	24.8 mm	24 mm
Thickness tolerance	± 1 mm	± 1.5 mm	± 1.8 mm	± 1.6 mm
Dimension tolerance	± 2 mm	± 2 mm	± 2 mm	± 2 mm
Weight	ca 40 kg/m ²	ca 48 kg/m ²	ca 58 kg/m ²	ca 57 kg/m ²
Minimum dimensions	No minimum	No minimum	No minimum	No minimum
Light properties (EN 410): τ_v / ρ_v [%]	84/8	83/7	81/7	81/7
U value (EN 673)	5.4 W/(m ² .K)	5.2 W/(m ² .K)	5.2 W/(m ² .K)	5.2 W/(m ² .K)
Impact resistance (EN 12600)	2B2	1B1	1B1	1B1
Sound reduction (EN 12758): $R_w(C, C_{tr})$	39 dB (-1; -3)	39 dB (-1; -3)	39 dB (-1; -3)	39 dB (-1; -3)

NPD : No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)		Results (minutes)	
				Portrait	Surface	EW	EI
Partition	Timber	13407 B	Pyrobel 16 VL	1200 x 2874	3.45 m²	34	34
		13697 B	Pyrobel 16 EG VL	1000 x 2874	2.87 m²	38	38
		13408 B	Pyrobel 16 EG2 VL	1200 x 2874	3.45 m²	45	38
	Steel – Jansen Janisol 2	13575 B	Pyrobel 16 VL	1200 x 2840	3.40 m²	41	38
	ALU - Schüco ADS 80 FR 30	14655 B	Pyrobel 16 VL	1000 x 2850	2.85 m²	36	30
Partition Corners	Steel – Jansen Janisol 2	R9291	Pyrobel 16+6 VL	1234 x 2860	3.53 m²	51	37
	ALU - Schüco ADS 80 FR 30	R9291 b		1000 x 2860	2.85 m²	30	30
	Timber			1000 x 2860	2.85 m²	30	30

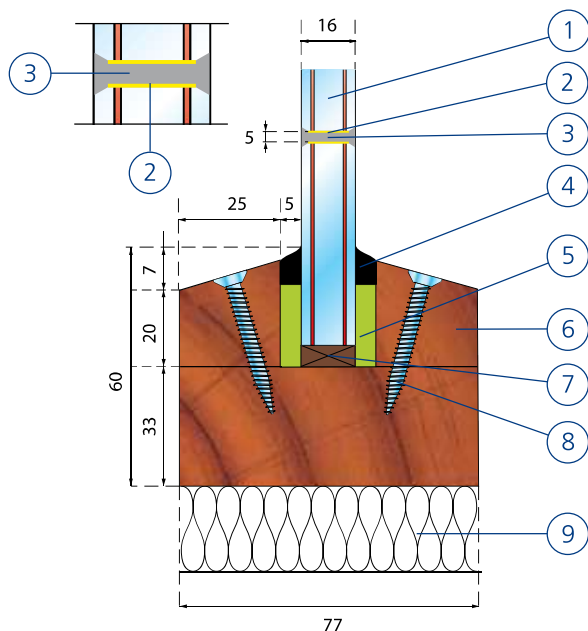
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBEL 16 VL

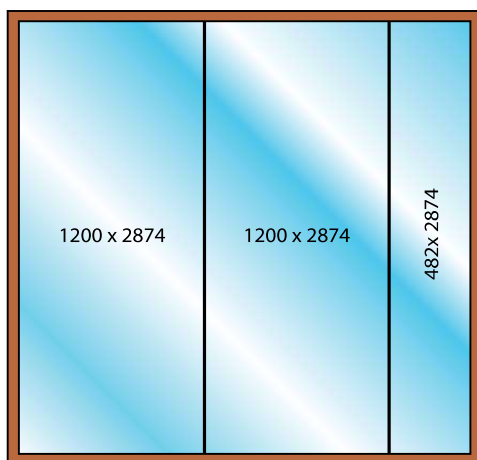
FIRE RESISTANT GLAZING EI 30 ACCORDING TO EN 13501-2

Timber frame (in mm)



REPORT N° 12277 B

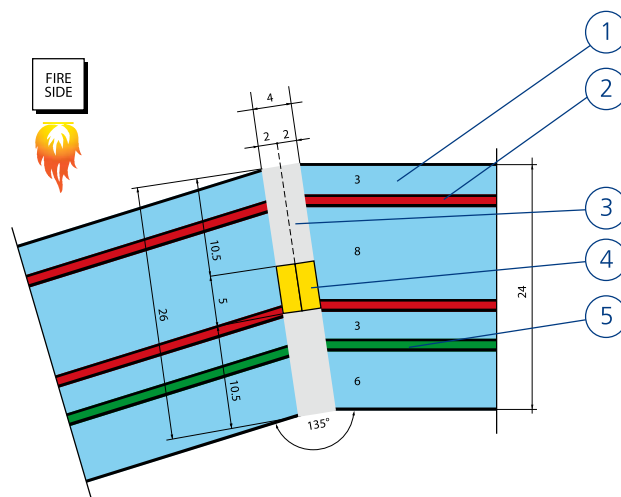
Example of assembly (in mm)
Unlimited partition



REPORT N° 13407 B

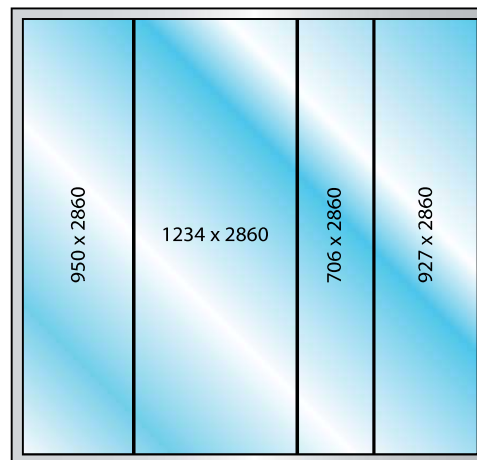
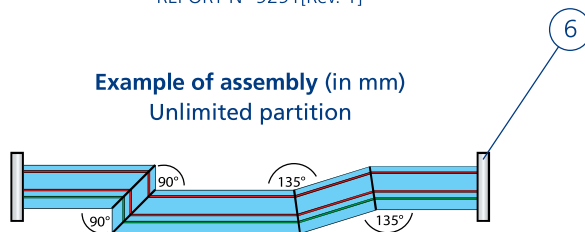
- 1 Pyrobel 16 VL
- 2 ALU tape
- 3 Silicone DC Firestop 700
- 4 Silicone DC Firestop 700
- 5 Ceramic Paper Superwool X607
- 6 Wood Meranti 527 kg/m³
- 7 Setting block Promatect-H 6 mm
- 8 Screw - steel, diameter 4 mm - length 50 mm
- 9 Ceramic wool

Steel frame (in mm)



REPORT N° 9291[Rev. 1]

Example of assembly (in mm)
Unlimited partition



REPORT N° R9291

- 1 Pyrobel 16+6 VL (EG)
- 2 Fire resistant layer
- 3 Neutral silicone - Momentive Pensil 300 - grey
- 4 Self-adhesive Gluske Kerfix FXL 200
- 5 PVB 0.76 mm
- 6 Steel frame Janisol 2

Fire Resistant Glass C+E E ENG - PrintActive - April 2013

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AGC Glass Czech - plant Oloví, Sklářská 300, 357 07 Oloví, Czech Republic, jan.vilcek@eu.agc.com, Tel.: +420 35 23 68 688, Fax: +420 35 23 68 66

PYROBEL 25 VL

FIRE RESISTANT GLAZING EI 60

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 25 VL is a laminated glass assembled with several clear intumescent interlayers.

In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 25 VL and 25 EG VL provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification

Pyrobel 25 VL

Pyrobel 25 EG VL



yourglass.com

yourglass.com

Glazing type	Single	Single
Grade	Internal	Internal / External
Glass thickness	26.6 mm	30.4 mm
Thickness tolerance	± 2 mm	± 2 mm
Dimension tolerance	± 2 mm	± 2 mm
Weight	ca 60 kg/m ²	ca 68 kg/m ²
Minimum dimensions	No minimum	No minimum
Light properties (EN 410): τ_v / ρ_v [%]	81/7	80/7
U value (EN 673)	5.2 W/(m ² .K)	5.0 W/(m ² .K)
Impact resistance (EN 12600)	1B1	1B1
Sound reduction (EN 12758): $R_w(C, C_{tr})$	40 dB (-1; -3)	43 dB (-1; -4)

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)		Results (minutes)	
				Portrait	Surface	EW	EI
Partition	Timber	13261 B	Pyrobel 25 VL	1200 x 2874	3.45 m ²	69	69
		13574 B	Pyrobel 25 VL	1200 x 2874	2.87 m ²	67	65
	Steel – Jansen Janisol C4	13932 B	Pyrobel 25 VL	1200 x 2831	3.40 m ²	62	62
	Steel – Jansen Janisol C4	14334 B	Pyrobel 25 EG VL	1000 x 2850	2.85 m ²	65	65
	ALU – Schüco ADS 80 FR 60	FR.221-11-AUNE	Pyrobel 25 VL	1000 x 2888	2.88 m ²	63	63
Partition corners	Steel – Jansen Janisol C4	R9405a	Pyrobel 25 EG VL	1355 x 2860	3.88 m ²	65	65

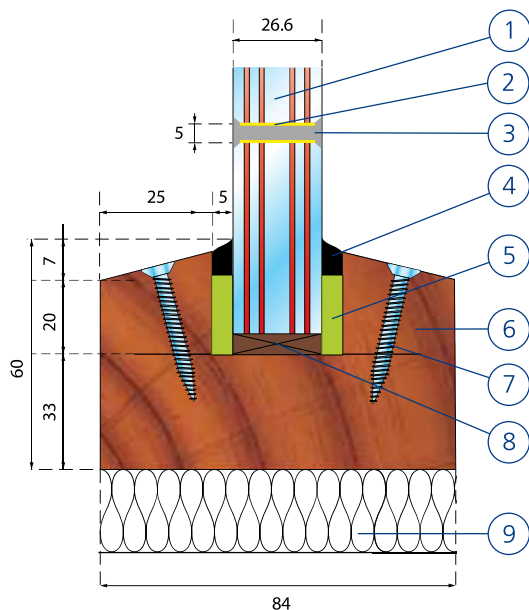
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBEL 25 VL

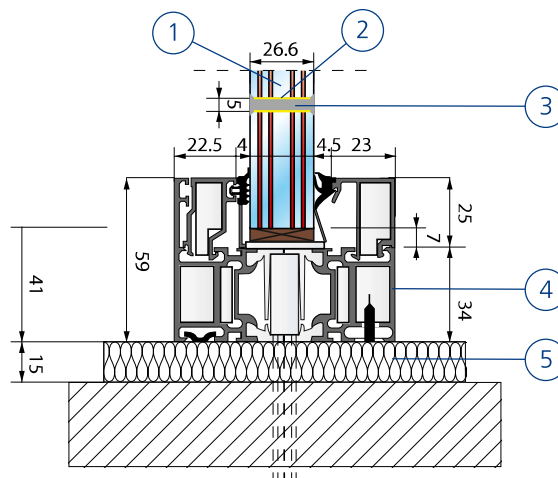
FIRE RESISTANT GLAZING EI 60 ACCORDING TO EN 13501-2

Timber frame (in mm)



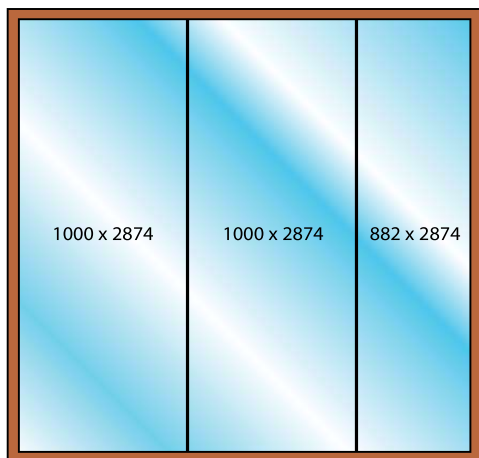
REPORT N° 13697 B

Aluminium frame (in mm)



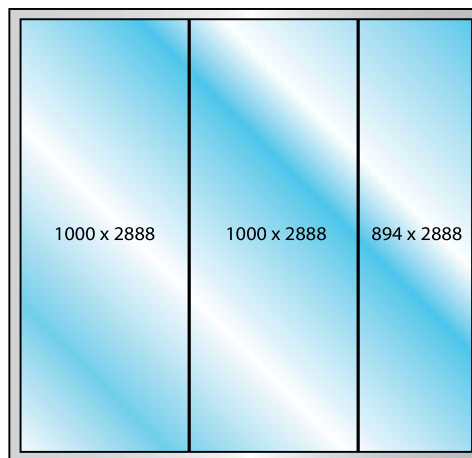
REPORT N° FR.221-11-AUNE

Example of assembly (in mm)
Unlimited partition



REPORT N° 13697 B

Example of assembly (in mm)
Unlimited partition



REPORT N° FR.221-11-AUNE

- 1 Pyrobel 25 VL
- 2 ALU tape
- 3 Silicone DC Firestop 700
- 4 Silicone DC Firestop 700
- 5 Ceramic Paper Superwool X607
- 6 Wood Meranti 527 kg/m³
- 7 Screw – steel, diameter 4 mm – length 50 mm
- 8 Setting block Promatect-H 6 mm
- 9 Ceramic wool

- 1 Pyrobel 25 VL
- 2 ALU tape
- 3 Silicone DC Firestop 700
- 4 Aluminium frame
- 5 Ceramic wool

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All of the installation details given in the report must be respected. The only authorised modifications are those mentioned in the report.

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PYROBEL 53N VL

FIRE RESISTANT GLAZING EI 120

ACCORDING TO EN 13501-2

DESCRIPTION

Pyrobel 53N VL is a laminated glass assembled with several clear intumescent interlayers.

In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames and reduce heat transmission with insulation of the partitions. Pyrobel 53N VL and 53N EG VL provide fire resistance in both directions.

TECHNICAL DATA

Specification / Identification	Pyrobel 53N VL	Pyrobel 53N EG VL
	 yourglass.com	 yourglass.com
Glazing type	Single	Single
Grade	Internal	Internal / External
Glass thickness	52.7 mm	56.5 mm
Thickness tolerance	± 3 mm	± 3 mm
Dimension tolerance	± 2 mm	± 2 mm
Weight	ca 122 kg/m ²	ca 130 kg/m ²
Minimum dimensions	No minimum	No minimum
Light properties (EN 410): τ_v / ρ_v [%]	75/6	73/7
U value (EN 673)	4.5 W/(m ² .K)	4.4 W/(m ² .K)
Impact resistance (EN 12600)	1B1	1B1
Sound reduction (EN 12758): $R_w(C, C_{tr})$	48 dB (-2; -7)	49 dB (-2; -7)

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

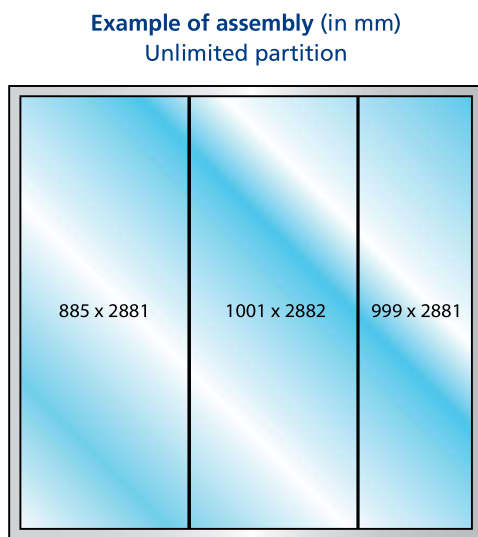
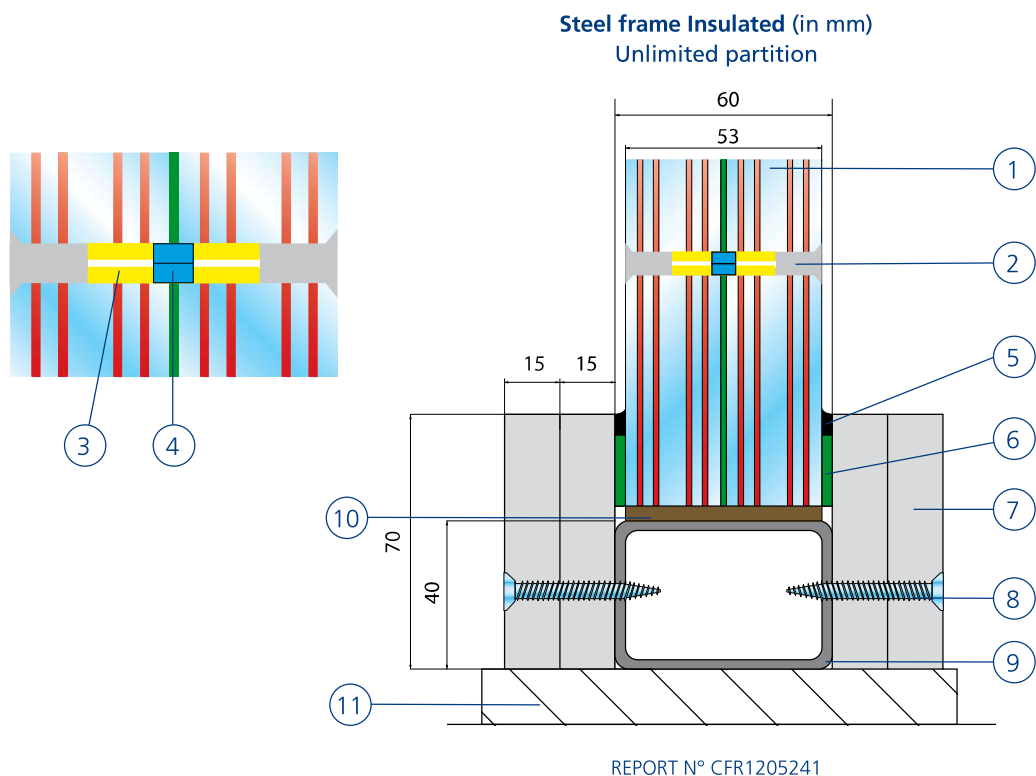
APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)		Results (minutes)	
				Portrait	Surface	EW	EI
Partition	Steel Insulated	CFR1205241	Pyrobel 53 N VL	1001 x 2882	2.88 m ²	127	127

(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROBEL 53N VL

FIRE RESISTANT GLAZING EI 120 ACCORDING TO EN 13501-2



1 Pyrobel 53N VL
2 Silicone – Momentive Pensil 300 - grey
3 Tape Kerafix FXL 200
4 Superwool paper X607

5 Silicone – Momentive Pensil 300 - grey
6 Tape Kerafix FXL 200
7 Promatect H 70 x 15 mm per layer
8 Screws Ø 2.5 x 65 mm

9 Steel tube 60 x 40 x 3 mm
10 Setting block
11 Superwool X607

All of the installation details given in the report must be respected. The only authorised modifications are those mentioned in the report.

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PYROPANE 100

FIRE RESISTANT GLAZING E30

ACCORDING TO EN 13501-2

DESCRIPTION

Pyropane 100 is a clear glass which, due to its special heat treatment, is flame and gas-retardant for 30 minutes (E 30). It is mainly designed for indoor applications and provides fire resistance in both directions.

TECHNICAL DATA

Specification / Identification

Pyropane 100



yourglass.com

Glazing type	Single
Grade	Internal / External
Glass thickness	6 mm (8, 10 mm)
Thickness tolerance	± 0.2 mm
Dimension tolerance	± 2 mm
Weight	ca 15 kg/m ²
Minimum dimensions	100 x 350 mm (diam. 800 mm)
Light properties (EN 410): τ_v / p_v [%]	89/8
Solar factor - SF % (EN 410)	84
U value (EN 673)	5.7 W/(m ² .K)
Sound reduction (EN 12758): Rw(C, Ctr)	31 (-2, -3) dB
Impact resistance (EN 12600)	1C1
Reaction to fire (EN 13501)	A1
Resistance to UV radiation	Yes
CE marking	EN 14179-2

NPD : No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	E	EW
Partition	Steel – Forster Presto 50	08-A-369	Pyropane 100	1200 x 2220	-	2.66 m ²	30	20
Doors	Steel – Forster Presto 50	08-A-370	Pyropane 100	900 x 2030	-	1.82 m ²	30	20
2 Doors		08-A-374		1085 x 2180	-	2.37 m ²	30	20

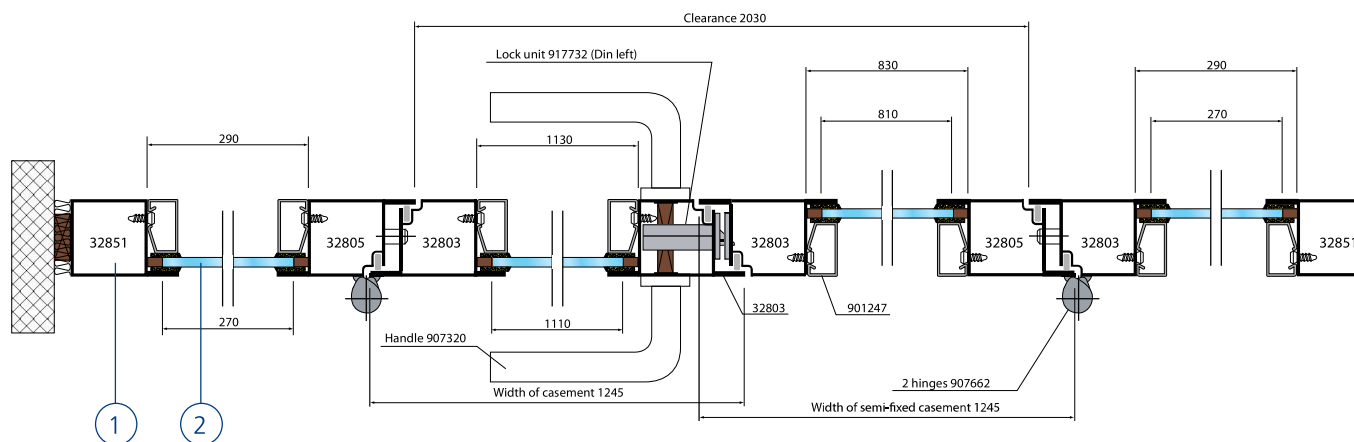
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN15254-4

PYROPANE 100

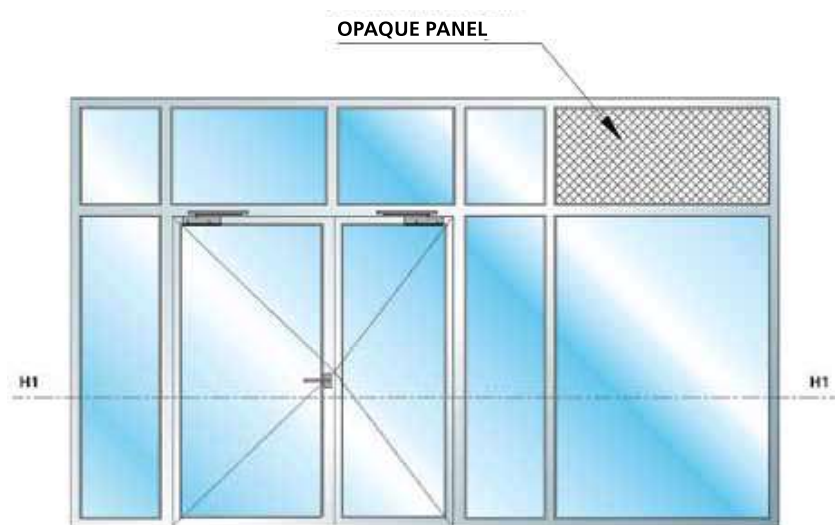
FIRE RESISTANT GLAZING E 30 ACCORDING TO EN 13501-2

Steel door set (in mm)



REPORT N° 08-A-370, 08-A-374, 08-A-381

Example of assembly (in mm)



REPORT N° 08-A-370, 08-A-374, 08-A-381

- 1 Pyropane 100
- 2 Steel – Forster Presto 50

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All of the installation details given in the report must be respected. The only authorised modifications are those mentioned in the report.

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PYROPANE 100 SB30

SMOKE BARRIER DH 30
ACCORDING TO EN 12101-1

DESCRIPTION

Pyropane 100 SB30 or Pyropane 110 SB30 (with silk screen) is a complete system supplied with special fittings. The barrier is suspended using cross fittings, reducing the time needed for mounting on the support structure, regardless of whether it is metal or concrete.

TECHNICAL DATA

Specification / Identification

Pyropane 100 SB30



yourglass.com

Glazing type	Single glazing, clear or with silk-screen printing
Grade	Internal
Glass thickness	6 mm
Thickness tolerance	± 0.2 mm
Dimension tolerance	± 2 mm
Weight	ca 15 kg/m ²
Minimum dimensions	300 x 350 mm
Light properties (EN 410): τ_v / p_v [%]	89/8 (depending on silk-screening and cover)
Solar factor - SF % (EN 410)	84
U value (EN 673)	5.7 W/(m ² .K)
Impact resistance (EN 12600)	1C1
Reaction to fire (EN 13501)	A1
Resistance to UV radiation	Yes
CE marking	EN 12101-1 and EN 14179-2

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 12101-1 & EN 13501-4

APPLICATION ^(*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h ^(**)			Results (minutes)
				Portrait	Landscape	Surface	DH
Smoke Barrier	Steel Fittings	09-A 230	Pyropane 100 SB30 Pyropane 110 SB30	-	1500 x 1040	1.56 m ²	30
		11-V-272	Pyropane 100 SB30	-	2500 x 1300	3.25 m ²	30

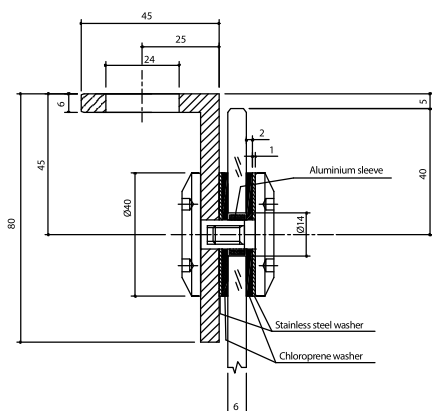
^(*) For alternative systems, please consult AGC

SMOKE BARRIER DH 30 ACCORDING TO EN 12101-1

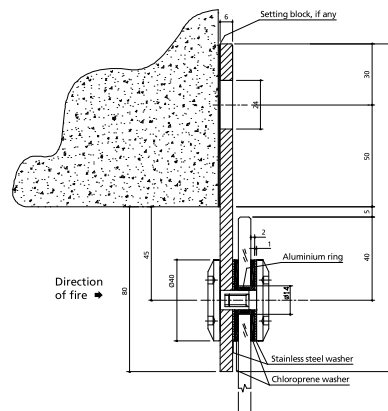
APPLICATION AND INSTALLATION

Pyropane® 100 SB30 is a complete system supplied with special fittings. The barrier is suspended using cross-fittings positioned no further than 900 mm apart. The result is a look reminiscent of point-fixed structural glazing and ease of installation. The system can be adapted to all real situations.

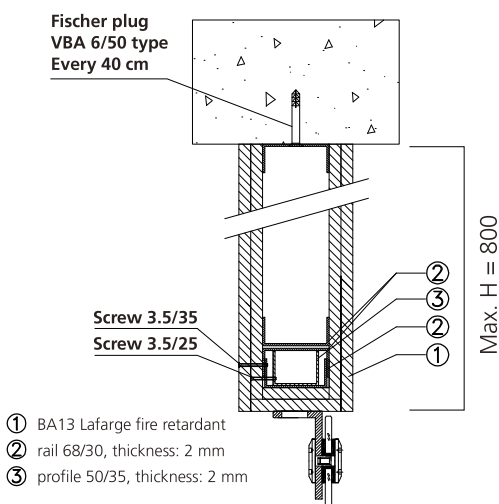
Cross section with right angle plate (in mm)



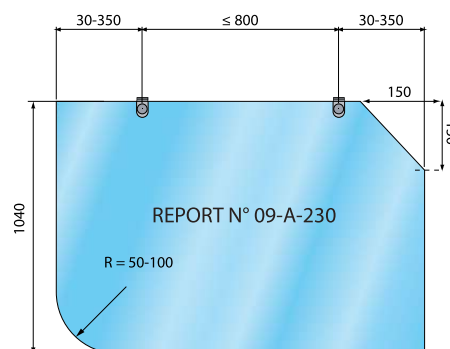
Cross section with flat plate (in mm)



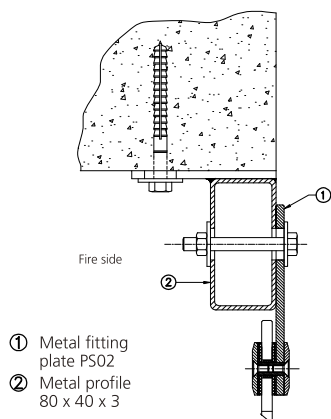
Light wall made of reinforced plasterboard



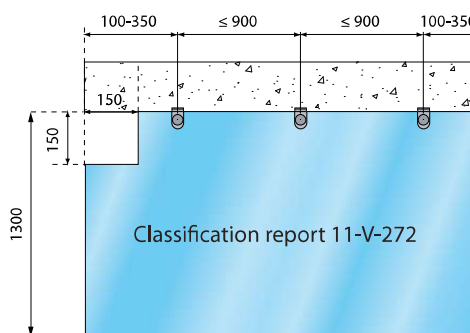
Example of installation (in mm)



Pyropane 100 SB 30 on steel profile



Example of installation (in mm)



All of the installation details given in the report must be respected. The only authorised modifications are those mentioned in the report.

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It is up to the company to comply with the installation and to check planned usage with national regulations. Rounded corners and bevelling are authorised.

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PYROPANE 211-44

THERMOBEL PYROPANE®

FIRE RESISTANT GLAZING E 30, E 60, EW 30 AND EW 60

ACCORDING TO EN 13501-2

DESCRIPTION

Pyropane 211-44 is a double glazing unit combining a coated glass that has undergone special heat treatment with a vast array of secondary glasses. Due to its properties, the unit is flame and gas retardant and limits radiation for 30 minutes (EW 30) or 60 minutes (EW 60). Pyropane 211-44 is designed for use in facades.

TECHNICAL DATA

Specification / Identification

Pyropane 211-44



yourglass.com

Glazing type	Double glazed
Grade	Internal / External
Fire protection	In one direction (Pyropane component opposite side to fire)
Glass thickness	27 mm for 6/15/6, air or argon space
Thickness tolerance	-0.8/+1 mm
Dimension tolerance	± 2 mm
Weight	ca 30 kg/m²
Minimum dimensions	100 x 350 mm
Light properties (EN 410): τ_v / ρ_v [%]	73/13
Solar factor - SF % (EN 410)	44
U value (EN 673)	1.0 W/(m².K) with argon
Sound reduction (EN 12758): $R_w(C, C_{tr})$	32 (-2, -4) dB
Impact resistance (EN 12600)	1C1/1C2 for 6/15/6 or 1C1/1B1 for 6/12/44.2
Resistance to UV radiation	Yes
CE marking	EN 1279-5

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN 1364-3, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	E	EW
Partition	Timber	09-V-524	Pyropane 211-44 (6TFR/15Gas/6T)	1672 x 2640	622 x 1375	4.03 m²	30	30
	Steel – Jansen Janisol 2	08-A-226	Pyropane 211-44 (6TFR/15Gas/6T)	1200 x 2300	1590 x 1000	2.76 m²	93	93
	Steel – Forster Unico	09-H-258	Pyropane 211-44 (10TFR/15Gas/66.2)	1500 x 2850	-	4.34 m²	55	55
			Pyropane 211-44 (8TFR/15Gas/8T)	1350 x 2850	-	3.91 m²	55	55
	Steel – Forster Unico	09-V-014	Pyropane 211-44 (6TFR/15Gas/6T)	1409 x 2859	1365 x 1150	4.03 m²	57	57
Façade	Alu – Schüco FW50 + E30	10-V-273	Pyropane 211-44 (10TFR/12Gas/6T)	1570 x 2974	-	4.67 m²	52	52
			Pyropane 211-44 (8TFR/12Gas/66.2)	1470 x 2974	-	4.37 m²	52	52

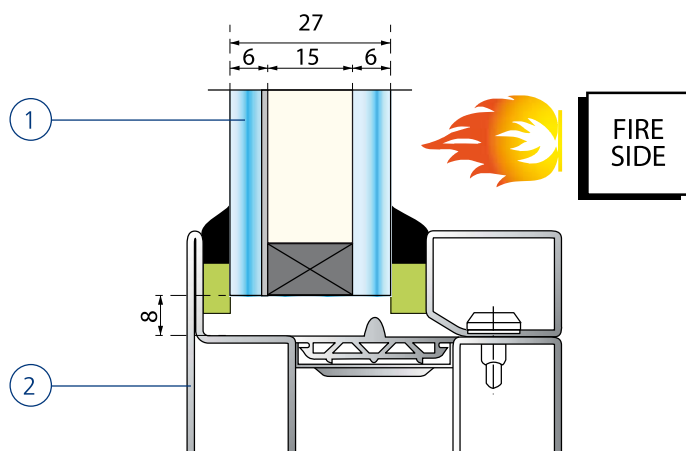
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROPANE 211-44

FIRE RESISTANT GLAZING E 30, E 60, EW 30 AND EW 60 ACCORDING TO EN 13501-2

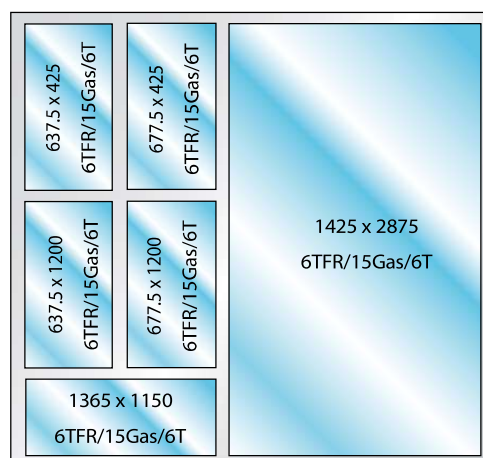
Steel frame (in mm)



REPORT N° 09-V-014

1 Pyropane 211-44
2 Steel – Forster Unico

Example of assembly (in mm)
Unlimited partition



REPORT N° 09-V-014

ASSEMBLY BASED ON DIRECTION OF FIRE

PYROPANE 211-44			PROTECTED SIDE	FIRE SIDE		
Protected side	Spacer	Fire side	10 to 20 mm SPACE		EN 12600	EN 356
				4 to 10 mm annealed Clear, extra clear, coloured	NPD	NPD
				4 to 10 mm toughened Silk-screen enamelled	1C1, 1C2 or 1C3	NPD
				Laminated, annealed or toughened in 33.x, 44.x, 55.x, 66.x (only with Pyropane 8 or 10 mm) Number of films: 2 ≤ x ≤ 8 PVB clear/coloured, acoustic, EVA	1B1 or 2B2 depending on configuration	P1A or P2A (etc.) up to P6B
				Stopray, Sunergy, Stopsol		

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PYROPANE 231-28

THERMOBEL PYROPANE®

FIRE RESISTANT GLAZING E 30, EW 30, E 60 AND EW 60
ACCORDING TO EN 13501-2

DESCRIPTION

Pyropane 231-28 is a double glazing unit combining a coated glass that has undergone special heat treatment with a vast array of secondary glasses. Due to its properties, the unit is flame and gas retardant and limits radiation for 30 minutes (EW 30) or 60 minutes (EW 60). Pyropane 231-28 is designed for use in facades.

TECHNICAL DATA

Specification / Identification

Pyropane 231-28



yourglass.com

Glazing type	Double glazed
Grade	Internal / External
Fire protection	In one direction (Pyropane component opposite side to fire)
Glass thickness	27 mm for 6/15/6, air or argon space
Thickness tolerance	-0.8/+1 mm
Dimension tolerance	± 2 mm
Weight	ca 30 kg/m²
Minimum dimensions	100 x 350 mm
Light properties (EN 410): τ_v / ρ_v [%]	50/20
Solar factor - SF % (EN 410)	31
U value (EN 673)	1.0 W/(m².K) with argon
Sound reduction (EN 12758): $R_w(C, C_{tr})$	32 (-2, -4) dB
Impact resistance (EN 12600)	1C1/1C2 for 6/15/6 or 1C1/1B1 for 6/12/44.2
Resistance to UV radiation	Yes
CE marking	EN 1279-5

NPD: No performance declared - see Glass Configurator on www.yourglass.com

CERTIFICATIONS according to EN 1364-1, EN1364-3, EN 1634-1 & EN 13501-2

APPLICATION (*)		REPORT NUMBER	Glazing	Tested dimensions in mm l x h (**)			Results (minutes)	
				Portrait	Landscape	Surface	E	EW
Partition	Timber	09-V-524	Pyropane 231-28 (6TFR/15Gas/6T)	1520 x 2400	1300 x 1100	3.65 m²	35	35
			Pyropane 231-28 (6TFR/12Gas/66.2)	622 x 1735	-	1.08 m²	35	35
Façade	Steel – Jansen VISS TV	12-V-097	Pyropane 231-28 (10TFR/12Gas/6T)	1502 x 2800	-	4.21 m²	80	76
			Pyropane 231-28 (8TFR/14Gas/6T)	-	1354 x 2800	3.79 m²		
			Pyropane 231-28 (6TFR/16Gas/6T)	-	1502 x 506	0.76 m²		

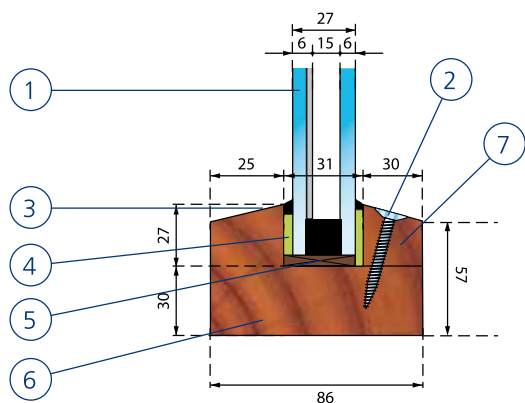
(*) For alternative systems, please consult AGC

(**) Extended application of results following EN 15254-4

PYROPANE 231-28

FIRE RESISTANT GLAZING E 30, EW 30, E 60 AND EW 60 ACCORDING TO EN 13501-2

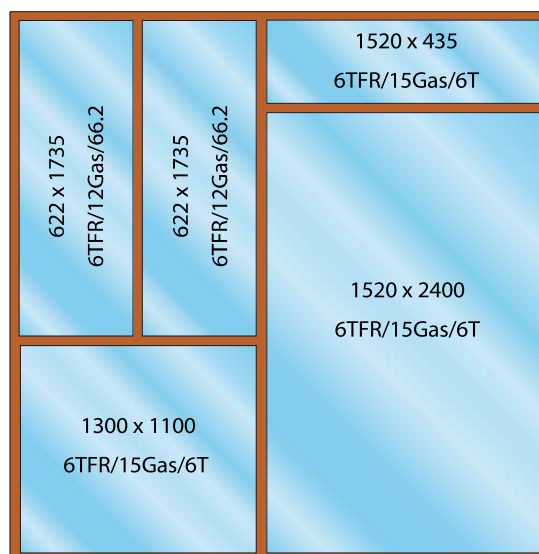
Timber frame (in mm)



REPORT N° 09-V-524

- 1 Pyropane 231-28
- 2 Steel screw
- 3 Silicone DC Firestop 700
- 4 Intumescent tape Flexiodice SA 25 x 2 mm
- 5 Setting block Promatect 20 x 5 mm
- 6 Timber frame
- 7 Glazing bead - timber

Example of assembly (in mm)
Unlimited partition



REPORT N° 09-V-524

ASSEMBLY BASED ON DIRECTION OF FIRE

PYROPANE 231-28			PROTECTED SIDE	FIRE SIDE			
Protected side	Spacer	Fire side	PYROPANE® 6, 8 or 10 mm 1C1 classified	10 to 20 mm SPACE		EN 12600	EN 356
					4 to 10 mm annealed Clear, extra clear, coloured	NPD	NPD
					4 to 10 mm toughened Silk-screen enamelled	1C1, 1C2 or C3	NPD
					Laminated, annealed or toughened in 33.x, 44.x, 55.x, 66.x (only with Pyropane 8 or 10 mm)	1B1 or 2B2 depending on configuration	P1A or P2A (etc.) up to P6B
					Number of films: 2 ≤ x ≤ 8 PVB clear/coloured, acoustic, EVA		
			Stopray, Sunergy, Stopsol				

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