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GLASS UNLIMITED

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VISION LINE

AGC

GLASS UNLIMITED

PYROBEL



Bronks Jeugdtheater, Brussels



HISD Admin. Building, Houston,
Idem photo cover



USF, San Francisco



Sensata Technologies Building, Providence

**PYROBEL Vision Line,
The solution for safety and transparent area.**

Advances in fire-rated glass technology of AGC Flat Glass Europe* have made it possible to achieve much larger expanses of clear glazing without compromising the protection required by the Standards.

The Pyrobel Vision Line allows for new design options and architectural solutions which are more and more requested by architects and designers.

The system uses multiple Pyrobel fire-rated glazing panels, separated by 4 to 5 mm of space, which is filled with neutral or Fire Resistant cure silicone caulking - providing you with clear, unobstructed views and the ultimate in fire protection.

With the absence of intermediate framing, the Pyrobel Vision Line transparent wall offers continuous views and uncompromising beauty.







The Pyrobel Vision Line has been tested for 30 and 60 minutes insulation (EI – Insulation following EN 13501-2) in steel and wooden frames.

Advantages:

- Both Fire rated classes available EI 30 and EI 60
- Clear partition without mullions
- Different type of silicones used
- Adaptable with all kind of frames and doors
- Unlimited partition available
- High body impact resistance values (EN 12600)
- Sound reduction values (EN 12758)

(*) AGC Flat Glass Europe makes and processes flat glass for the construction industry (exterior glazing and interior decorative glass) and for specialised industries. Based in Brussels, Belgium, it is the European branch of AGC Flat Glass, the world's leading producer of flat glass.

Products range

Type of frame	WOOD					STEEL
Product	Pyrobel 16 VL	Pyrobel 16 EG VL	Pyrobel 16 EG2 VL	Pyrobel 25 VL	Pyrobel 25 EG VL	Pyrobel 16 VL
Type of glass	Single	Single	Single	Single	Single	Single
Application	Internal	Internal	Internal	Internal	Internal	Internal
Thickness	17,3 mm	24 mm	25 mm	26,6 mm	30,4 mm	17,3 mm
Tolerance on thickness	± 1 mm	± 1,5 mm	± 2 mm	± 2 mm	± 2 mm	± 1 mm
Weight	ca 40 kg/m²	ca 48kg/m²	ca 56 kg/m²	ca 60 kg /m³	ca 68 kg/m²	ca 40 kg/m²
Tolerance on dimensions	± 2 mm	± 2 mm	± 2 mm	± 2 mm	± 2 mm	± 2 mm
Light properties (EN 410)	84%	83%	82%	81%	80%	84%
Ug value (EN 673)	5,4 W/(m².K)	5,2 W/(m².K)	5,2 W/(m².K)	5,2 W/(m².K)	5,0 W/(m².K)	5,4 W/(m².K)
Mechanical resistance (EN 12600)	2B2	1B1	1B1	1B1	1B1	2B2
Direct airborne sound reduction (EN 12758) - RW (C,Ctr)	39 dB (-1, -3)	39 dB (-1, -3)	40 dB (-1, -3)	40 dB (-1, -3)	40 dB (-1, -3)	39 dB (-1, -3)
CE Mark						
Report Number	13407 A	13697 A	13408 A	13261 A	13574 A	13575 A
Lab	WFG	WFG	WFG	WFG	WFG	WFG
Standard	EN 1364-1	EN 1364-1	EN 1364-1	EN 1364-1	EN 1364-1	EN 1364-1
Frame	wood	wood	wood	wood	wood	Janisol 2
Max dimensions tested	1200 x 2874 mm	1000 x 2874 mm	1200 x 2874 mm	1200 x 2874 mm	1200 x 2874 mm	1200 x 2840 mm
Max surface tested	3,45 m²	2,87 m²	3,45 m²	3,45 m²	3,45 m²	3,41 m²
Fire Resistance (EN 13501-2)						
- Integrity (< 15 kW/m²) - EW	> 30	> 30	> 30	> 60	> 60	> 30
- Insulation EI	> 30	> 30	> 30	> 60	> 60	> 30