

# PYROBEL 53N

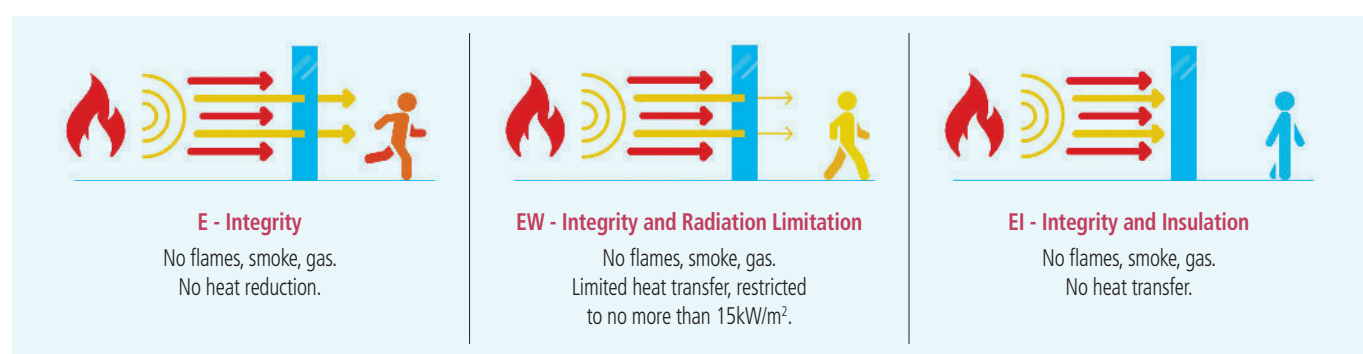
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AGC

Fire-resistant glass focusing  
on your safety



**Pyrobel 53N** is a laminated glass assembled with sheets of glass and fire-resistant clear intumescent interlayers. In the event of fire, the interlayers transform into rigid and opaque fire shields, that keep out flames, limit the heat transfer through the glazing and reduce strongly the temperature on the protected surface of the Pyrobel glass. The glass delivers fire protection in both directions according to the standard EN 13501-2.



## Technical data

Specification / Identification	Pyrobel 53N	Pyrobel 53N EG	Pyrobel 53N IGU
Glazing type	Single	Single	Double (or triple) Glazing Unit
Grade	Internal	Internal, 1 side UV filter	External with UV filter
Glass thickness	52,7 mm	56,5 mm	Consult the Glass Configurator:  <b>www.agc-yourglass.com/ configurator</b>
Thickness tolerances	± 3 mm	± 3 mm	
Dimensions tolerances	± 2 mm	± 2 mm	
Weight	ca 122 kg/m <sup>2</sup>	ca 130 kg/m <sup>2</sup>	
Minimum dimensions	No minimum	No minimum	
Light transmission / Light reflection (%)	75 / 7	73 / 7	
CV* Light transmission / Light reflection (%)	84 / 8	84 / 8	
U value (EN 673)	4,5 W/(m <sup>2</sup> .K)	4,4 W/(m <sup>2</sup> .K)	
Impact resistance (EN 12600)	1B1	1B1	
Burglar resistance (EN356)**	P2A	P2A	
Sound reduction (EN 12758) Rw (C; Ctr)	48 (-2; -7) dB	49 (-1; -6) dB	
Exposure temperatures	-40°C / +50°C		

\* Clearvision (CV) optional, low iron extra clear glass by AGC.

\*\* The burglar resistance can be increased from P2A to P8B by laminating or assembling in IGU Pyrobel with Stratobel & Stratobel Security Burglary.

## Fire certification

Check out the product selector for availabilities of fire certification on [www.agc-pyrobel.com/selector](http://www.agc-pyrobel.com/selector). The installation must be done in compliance with the fire test report. Pyrobel(ite) is extensively tested & approved under different standards: EN, BS, UL, ASTM, NFPA,...



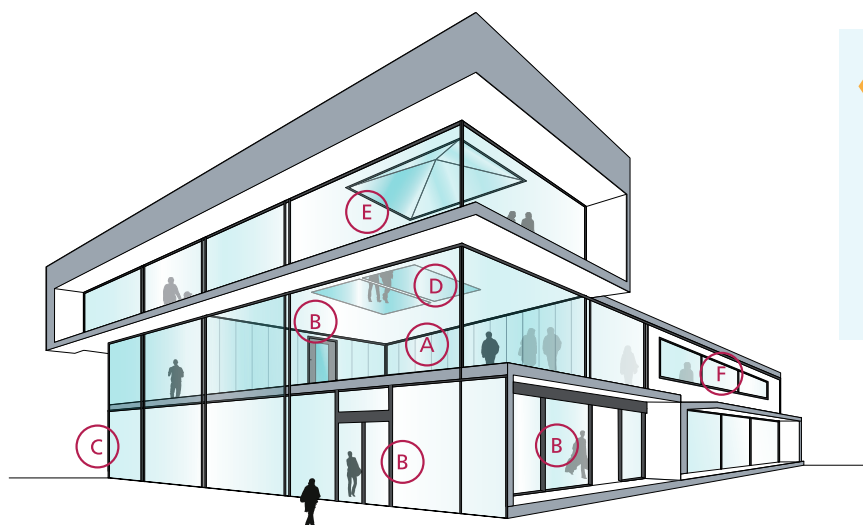
Your Dreams, Our Challenge

## Availability

- SGU** Single glazing unit for internal application
- IGU** Insulated glazing unit for outdoor applications (double or triple glazing)
- EG** External grade version Pyrobel EG is single glazed Pyrobel with a 0,76 mm pvb interlayer and extra glass pane that acts as an UV filter
- VL** Vision Line which is an all-glass butt-joint glazing system without mullions. Multiple fire-resistant panes of glass are interconnected by means of a 4-5 mm silicone joint. Separate technical data sheets are available for this range of products
- SPS** Special products and combinations such as bulletproof and burglar resistant glass

## Applications

The Pyrobel product range has been tested in a large variety of aluminium, steel, wood & butt-joint systems:



- A** Fire-resistant all-glass partitions
- B** Fire-resistant glazed doors
- C** Fire-resistant curtain walls - facades
- D** Fire-resistant floor glazing
- E** Fire-resistant roof glazing
- F** Fire resistant windows

## Why choose Pyrobel(ite)?



### THE SHORTEST DELIVERY TIMES

Since Pyrobel(ite) **can be cut** by our network of distributors, they can supply you with what you need **quickly and efficiently**.



### CRADLE TO CRADLE CERTIFIED

Pyrobel(ite) is **Cradle to Cradle Certified™ Silver**.



### PROVIDING SOLUTIONS

We support our customers **with our high-level expertise**.



### ACOUSTIC INSULATION

Pyrobel(ite) has excellent **acoustic insulation properties**.



### QUALITY

With 40 years of experience, Pyrobel delivers proven long-term quality. Pyrobel(ite) glass has an excellent optical quality supported by a **10-year warranty**.



### MADE IN EUROPE



The information and data contained in this document are subject to change without notice.

Questions? Contact our sales team! [www.agc-pyrobel.com/contact](http://www.agc-pyrobel.com/contact)

