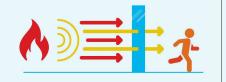




Fire-resistant glass focusing on your safety

**Pyrobel 8** 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.



E - Integrity No flames, smoke, gas. No heat reduction.



**EW - Integrity and Radiation Limitation** No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



EI15/EW30

EI - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## Technical data

Identification	Pyrobel 8	Pyrobel 8 EG	Pyrobel 8 IGU
Glazing type	Single	Single	Double (or triple) Glazing Unit
Grade	Internal	Internal, 1 side UV filter	External with UV filter
Glass thickness	9,3 mm	13,1 mm	
Thickness tolerances	± 1 mm	± 1,3 mm	
Dimensional tolerances	± 2 mm	± 2 mm	
Weight	ca 20 kg/m <sup>2</sup>	ca 28 kg/m <sup>2</sup>	Consult the
Minimum dimensions	No minimum	No minimum	Glass Configurator:
Light transmission / Light reflection (%)	88 / 8	87 / 8	www.agc-yourglass.com/
CV* Light transmission / Light reflection (%)	90 / 8	90 / 8	configurator
U value (EN 673)	5,6 W/(m <sup>2</sup> .K)	5,5 W/(m <sup>2</sup> .K)	
Impact resistance (EN 12600)	NPD**	1B1	
Sound reduction (EN 12758) Rw (C; Ctr)	34 (-1; -3) dB	36 (-1; -3) dB	
Exposure temperatures		-40°C / +50°C	

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

\*\* No performance declared, see Glass configurator.

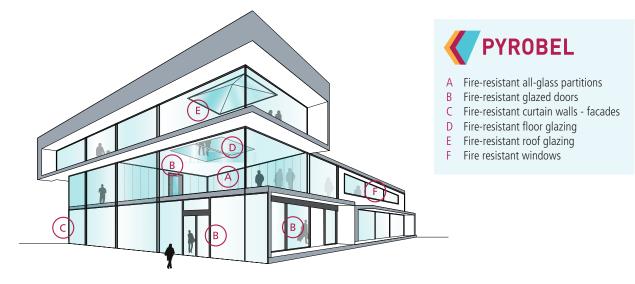
## Fire certification



- **SGU** Single glazing unit for internal application
- IGU Insulated glazing unit for outdoor applications (double or triple glazing)
- External grade version Pyrobel EG is single glazed Pyrobel with EG 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:



## 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<sup>™</sup> 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**



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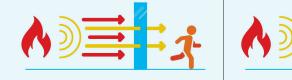


08/20

Fire-resistant glass focusing

on your safety

**Pyrobel 16** 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.



E - Integrity No flames, smoke, gas. No heat reduction.



EW - Integrity and Radiation Limitation No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



EI30/EW60

El - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## Technical data

Specification / Identification	Pyrobel 16	Pyrobel 16 EG	Pyrobel 16 IGU
Glazing type	Single	Single	Double (or triple) Glazing Unit
Grade	Internal	Internal, 1 side UV filter	External with UV filter
Glass thickness	17,3 mm	21,1 mm	
Thickness tolerances	±1mm	± 1,5 mm	
Dimensional tolerances	± 2 mm	± 2 mm	
Weight	ca 40 kg/m <sup>2</sup>	ca 48 kg/m <sup>2</sup>	Consult the
Minimum dimensions	No minimum	No minimum	Glass Configurator:
Light transmission / Light reflection (%)	85 / 8	84 / 8	
CV* Light transmission / Light reflection (%)	89 / 8	89 / 8	www.agc-yourglass.com/
U value (EN 673)	5,3 W/(m².K)	5,3 W/(m <sup>2</sup> .K)	configurator
Impact resistance (EN 12600)	2B2	1B1	
Burglar resistance (EN 356)**	NPD***	P2A	
Sound reduction (EN 12758) Rw (C; Ctr)	39 (-1; -3) dB	39 (-1; -3) 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.

\*\*\* No performance declared, see Glass configurator.

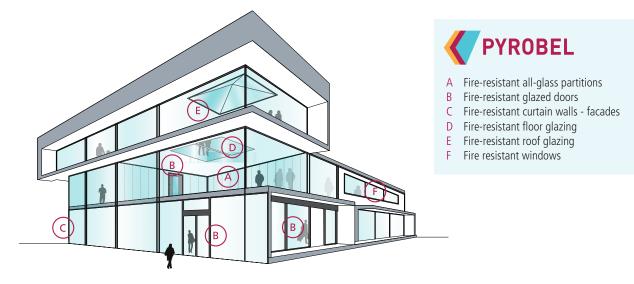
## Fire certification



- **SGU** Single glazing unit for internal application
- IGU Insulated glazing unit for outdoor applications (double or triple glazing)
- External grade version Pyrobel EG is single glazed Pyrobel with EG 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:



# Why choose Pyrobel(ite)?



#### THE SHORTEST DELIVERY TIMES

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## **CRADLE TO CRADLE CERTIFIED**

Pyrobel(ite) is Cradle to Cradle Certified<sup>™</sup> 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**



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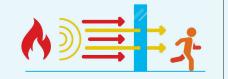
# PYROBEL 17N



EI45/EW60

Fire-resistant glass focusing on your safety

**Pyrobel 17N** 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.



E - Integrity No flames, smoke, gas. No heat reduction.



EW - Integrity and Radiation Limitation No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



El - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## Technical data

Specification / Identification	Pyrobel 17N	Pyrobel 17N EG	Pyrobel 17N IGU
Glazing type	Single	Single	Double (or triple) Glazing Unit
Grade	Internal	Internal, 1 side UV filter	External with UV filter
Glass thickness	17,8 mm	21,6 mm	
Thickness tolerances	± 1,6 mm	± 1,8 mm	
Dimensions tolerances	± 2 mm	± 2 mm	
Weight	ca 40 kg/m <sup>2</sup>	ca 48 kg/m <sup>2</sup>	Consult the
Minimum dimensions	No minimum	No minimum	Glass Configurator:
Light transmission / Light reflection (%)	86 / 8	85 / 8	
CV*Light transmission / Light reflection (%)	89 / 8	88 / 8	www.agc-yourglass.com/
U value (EN 673)	5,4 W/(m².K)	5,2 W/(m <sup>2</sup> .K)	configurator
Impact resistance (EN 12600)	1B1	1B1	
Burglar resistance (EN 356)**	P1A	P2A	
Sound reduction (EN 12758) Rw (C; Ctr)	39 (0; -3) dB	40 (-1; -3) 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.

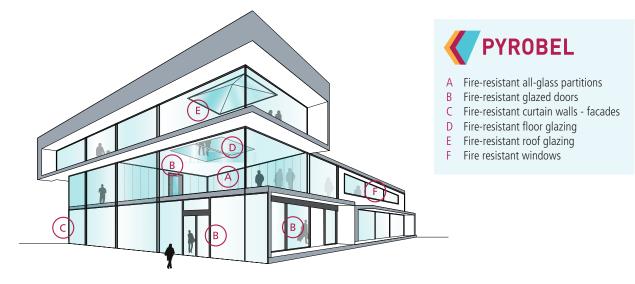
## Fire certification



- $\textbf{SGU} \quad \text{Single glazing unit for internal application} \\$
- **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:



## 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



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- NS





Fire-resistant glass focusing

on your safety



**Pyrobel 21** 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.



No flames, smoke, gas. No heat reduction.





EI45/EW60

## Technical data

Specification / Identification	Pyrobel 21	Pyrobel 21 EG	<b>Pyrobel 21 IGU</b> 44.2 - 8 - Pyrobel 21
Glazing type	Single	Single	Double Glazing Unit
Grade	Internal	Internal / External	External
Structure	3/3/3/3/3	3/3/3/3/3:3	
Glass thickness	21,6 mm	25,4 mm	
Thickness tolerances	± 2 mm	± 2 mm	
Dimensions tolerances	± 2 mm	± 2 mm	Consult the
Weight	ca 47 kg/m <sup>2</sup>	ca 55 kg/m <sup>2</sup>	Glass Configurator:
Minimum dimensions	No minimum	No minimum	
Light properties (EN 410) τν/ρν (%)	80 / 7	79 / 7	www.agc-yourglass.com/
U value (EN 673)	5,2 W/(m².K)	5,1 W/(m².K)	configurator
Impact resistance (EN 12600)	1B1	1B1	
Burglar resistance (EN 356)	P1A*	P2A*	
Sound reduction (EN 12758) Rw (C; Ctr)	38 (-1; -3) dB	40 (-1; -3) dB	

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

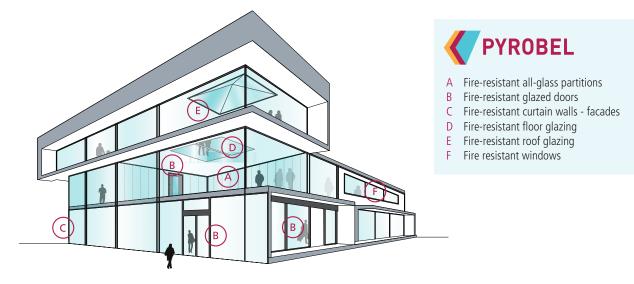
## Fire certification



- $\textbf{SGU} \quad \text{Single glazing unit for internal application} \\$
- **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:



## Why choose Pyrobel(ite)?



#### THE SHORTEST DELIVERY TIMES

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### 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



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- NS





Fire-resistant glass focusing on your safety

**Pyrobel 25** 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.



No flames, smoke, gas. No heat reduction.



to no more than 15kW/m<sup>2</sup>.



**EI60** 

No flames, smoke, gas. No heat transfer.

## Technical data

Specification / Identification	Pyrobel 25	Pyrobel 25 EG	Pyrobel 25 IGU
Glazing type	Single	Single	Double (or triple) Glazing Unit
Grade	Internal	Internal, 1 side UV filter	External with UV filter
Glass thickness	26,6 mm	30,4 mm	
Thickness tolerances	± 2 mm	± 2 mm	
Dimensions tolerances	± 2 mm	± 2 mm	
Weight	ca 60 kg/m <sup>2</sup>	ca 68 kg/m <sup>2</sup>	Consult the
Minimum dimensions	No minimum	No minimum	Glass Configurator:
Light transmission / Light reflection (%)	82 / 7	82 / 7	
CV* Light transmission / Light reflection (%)	88 / 8	87 / 8	www.agc-yourglass.com/
U value (EN 673)	5,1 W/(m <sup>2</sup> .K)	5,0 W/(m <sup>2</sup> .K)	configurator
Impact resistance (EN 12600)	1B1	1B1	
Burglar resistance (EN 356)**	P1A	P2A	
Sound reduction (EN 12758) Rw (C; Ctr)	43 (0; -3) dB	43 (-1; -4) 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.

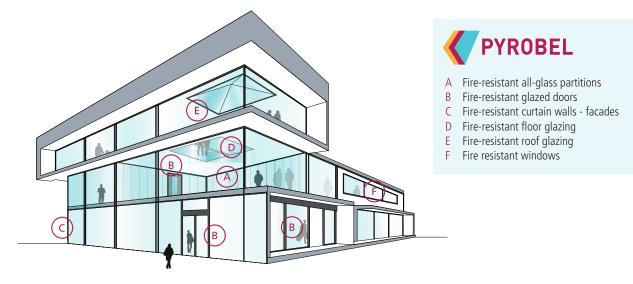
## Fire certification



- $\textbf{SGU} \quad \text{Single glazing unit for internal application} \\$
- **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:



# Why choose Pyrobel(ite)?



#### THE SHORTEST DELIVERY TIMES

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## CRADLE TO CRADLE CERTIFIED

Pyrobel(ite) is Cradle to Cradle Certified<sup>™</sup> 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 \* \* \*



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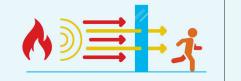






Fire-resistant glass focusing on your safety

**Pyrobel 30** 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.



E - Integrity No flames, smoke, gas. No heat reduction.



**EW - Integrity and Radiation Limitation** No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



El - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## Technical data

Specification / Identification	Pyrobel 30	Pyrobel 30 EG	<b>Pyrobel 30 IGU</b> 44.2 - 8 - Pyrobel 30
Glazing type	Single	Single	Double Glazing Unit
Grade	Internal	Internal / External	External
Structure	3/3/3/3/3/3/3	3/3/3/3/3/3/3:3	
Glass thickness	30 mm	33,7 mm	
Thickness tolerances	± 2,5 mm	± 2,8 mm	
Dimensions tolerances	± 2 mm	± 2 mm	Consult the
Weight	ca 69 kg/m <sup>2</sup>	ca 77 kg/m <sup>2</sup>	Glass Configurator:
Minimum dimensions	No minimum	No minimum	www.agc-yourglass.com/
Light properties (EN 410) τν/ρν (%)	81 / 7	80 / 7	configurator
U value (EN 673)	5,0 W/(m².K)	4,8 W/(m <sup>2</sup> .K)	
Impact resistance (EN 12600)	1B1	1B1	
Sound reduction (EN 12758) Rw (C; Ctr)	42 (-1; -4) dB	43 (-1; -4) dB	

\* 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.

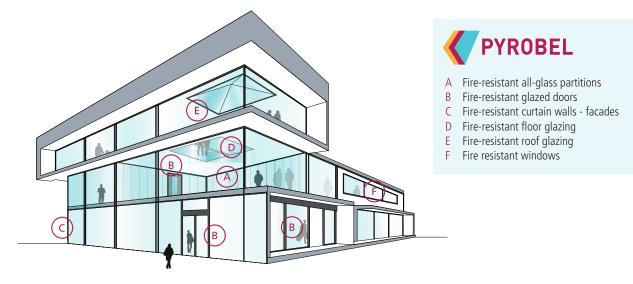
## Fire certification



- **SGU** Single glazing unit for internal application
- IGU Insulated glazing unit for outdoor applications (double or triple glazing)
- External grade version Pyrobel EG is single glazed Pyrobel with EG 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:



# Why choose Pyrobel(ite)?



#### THE SHORTEST DELIVERY TIMES

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#### **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**



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# PYROBEL 30 EG2

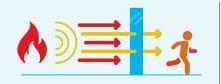


**EI90** 



Fire-resistant glass focusing on your safety

**Pyrobel 30 EG2** 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.



E - Integrity No flames, smoke, gas. No heat reduction.



**EW - Integrity and Radiation Limitation** No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



El - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## Technical data

Specification / Identification	Pyrobel 30 EG2	
Glazing type	Single	
Grade	internal, 2 sides UV filter	
Glass thickness	37,5 mm	
Thickness tolerances	± 3 mm	
Dimensions tolerances	± 2 mm	
Weight	ca 85 kg/m²	
Minimum dimensions	No minimum	
Light transmission / Light reflection (%)	80 / 7	
CV* Light transmission / Light reflection (%)	86 / 8	
U value (EN 673)	4,8 W/(m².K)	
Impact resistance (EN 12600)	1B1	
Burglar resistance (EN 356)**	P2A	
Sound reduction (EN 12758) Rw (C; Ctr)	44 (-1; -4) 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.

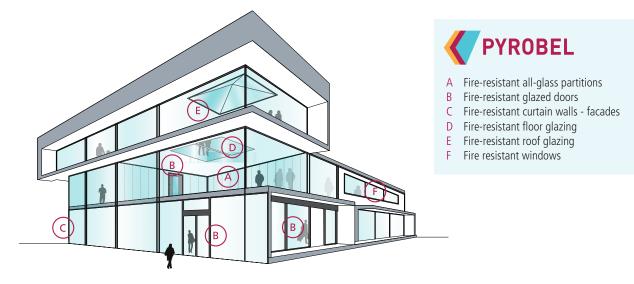
## Fire certification



- $\textbf{SGU} \quad \text{Single glazing unit for internal application} \\$
- **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:



## 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







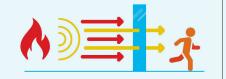
# PYROBEL 53N





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.



E - Integrity No flames, smoke, gas. No heat reduction.



**EW - Integrity and Radiation Limitation** No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



EI120

El - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## 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	
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>	Consult the
Minimum dimensions	No minimum	No minimum	Glass Configurator:
Light transmission / Light reflection (%)	75 / 7	73 / 7	
CV* Light transmission / Light reflection (%)	84 / 8	84 / 8	www.agc-yourglass.com/
U value (EN 673)	4,5 W/(m <sup>2</sup> .K)	4,4 W/(m <sup>2</sup> .K)	configurator
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.

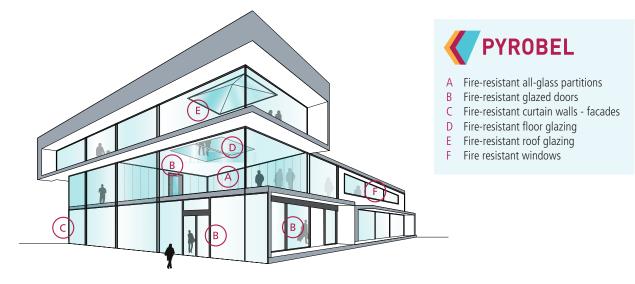
## Fire certification



- $\textbf{SGU} \quad \text{Single glazing unit for internal application} \\$
- **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:



## 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





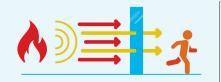






Fire-resistant glass focusing on your safety

**Pyrobel 54** 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.



E - Integrity No flames, smoke, gas. No heat reduction.



EW - Integrity and Radiation Limitation No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



EI120

El - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## Technical data

Specification / Identification	Pyrobel 54	Pyrobel 54 EG	Pyrobel 54 IGU
Glazing type	Single	Single	Double (or triple) Glazing Unit
Grade	Internal	Internal, 1 side UV filter	External with UV filter
Glass thickness	54 mm	57,8 mm	
Thickness tolerances	±3 mm	± 3 mm	
Dimensions tolerances	± 2 mm	± 2 mm	
Weight	ca 124 kg/m <sup>2</sup>	ca 132 kg/m <sup>2</sup>	Consult the
Minimum dimensions	No minimum	No minimum	Glass Configurator:
Light transmission / Light reflection (%)	75 / 7	74 / 7	
CV* Light transmission / Light reflection (%)	83 / 7	83 / 7	www.agc-yourglass.com/
U value (EN 673)	4,4 W/(m².K)	4,4 W/(m <sup>2</sup> .K)	configurator
Impact resistance (EN 12600)	1B1	1B1	
Burglar resistance (EN 356)**	P2A	P2A	
Sound reduction (EN 12758) Rw (C; Ctr)	49 (-1; -4) dB	49 (0; -3) 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.

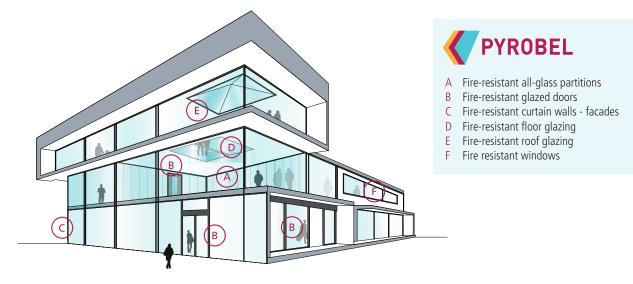
## Fire certification



- $\textbf{SGU} \quad \text{Single glazing unit for internal application} \\$
- **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:



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#### ACOUSTIC INSULATION

Pyrobel(ite) has excellent acoustic insulation properties.

#### QUALITY

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#### \* \* \* \* \_\_\_\_\_ \* \_ M/ \* \* \*

#### MADE IN EUROPE









AGC

Fire-resistant glass focusing on your safety

**Pyrobel 81** 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.



E - Integrity No flames, smoke, gas. No heat reduction.



**EW - Integrity and Radiation Limitation** No flames, smoke, gas. Limited heat transfer, restricted to no more than 15kW/m<sup>2</sup>.



El - Integrity and Insulation No flames, smoke, gas. No heat transfer.

## Technical data

Specification / Identification	Pyrobel 81	Pyrobel 81 EG
Glazing type	Single	Single
Grade	Internal	Internal, 1 side UV filter
Glass thickness	81 mm	85 mm
Thickness tolerances	± 3 mm	± 3 mm
Dimensions tolerances	± 2 mm	± 2 mm
Weight	ca 187 kg/m²	ca 195 kg/m <sup>2</sup>
Minimum dimensions	No minimum	No minimum
Light transmission / Light reflection (%)	68 / 6 68	
U value (EN 673)	4,0 (W/m <sup>2</sup> .K)	3,9 (W/m².K)
Impact resistance (EN 12600)	1B1	1B1
Sound reduction (EN 12758) Rw (C; Ctr)	NPD*	NPD*
Exposure temperatures	-40°C / +50°C	

\* No performance declared, see Glass configurator.

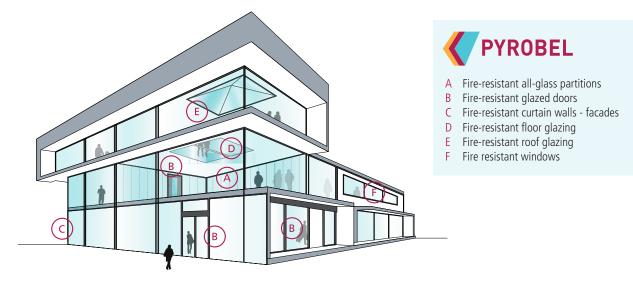
## Fire certification



- $\textbf{SGU} \quad \text{Single glazing unit for internal application} \\$
- **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:



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#### 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**.

#### \*\*\*\* \* M \*\*\*

#### 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





08/20