

Wired Alexandria

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
7	3750 x 2040

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2" x 1/2"	—	—	—	12 mm / 1 m

Special information

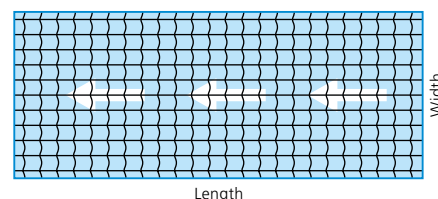
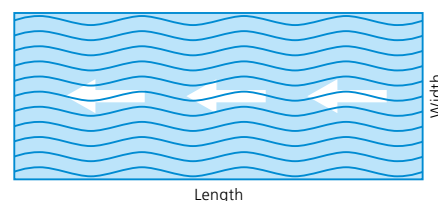
The dimensions of each wire mesh element is 1/2" x 1/2".
Not tested for resistance to fire. In case of need check other wired products.
Also available on request without a wire mesh as patterned glass.



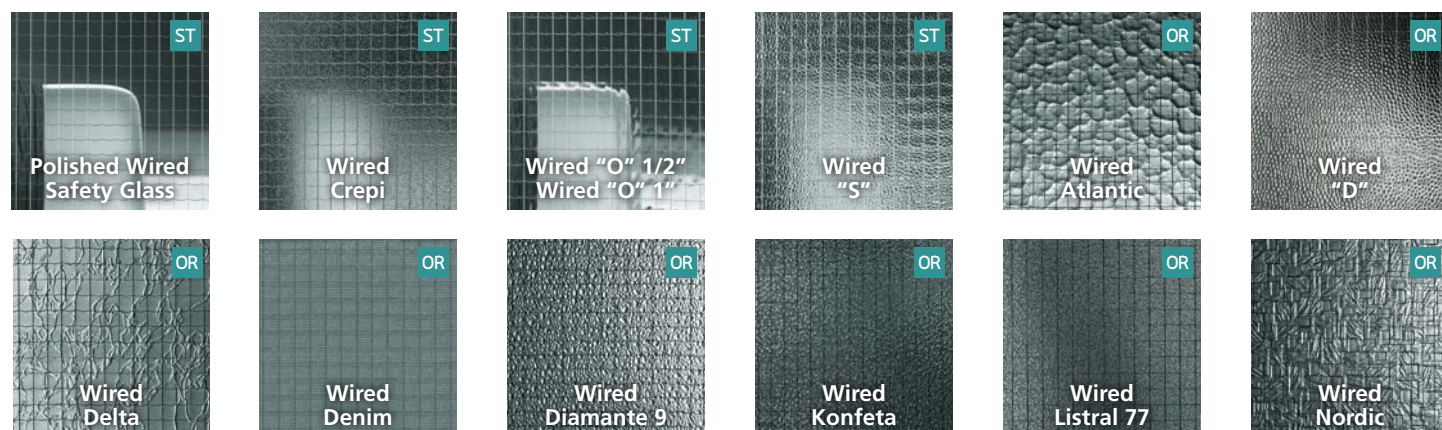
Minimum order

Pattern on request: 2 full loads (48 tons)

Pattern and wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

Based in Louvain-la-Neuve (Belgium), AGC Glass Europe produces, processes and markets flat glass for the construction industry (external glazing and interior decoration), car manufacture and other industrial sectors (transport, solar power and high-tech). It is the European branch of AGC, a world leader in flat glass. It has over 100 sites throughout Europe, from Spain to Russia. More information on www.agc-yourglass.com.

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Wired Atlantic

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

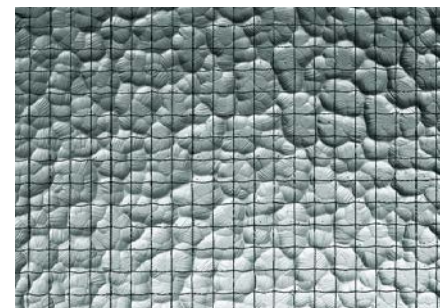
On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
7	3750 x 2040

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" x 1/2"	—	—	—	12 mm / 1 m

Special information

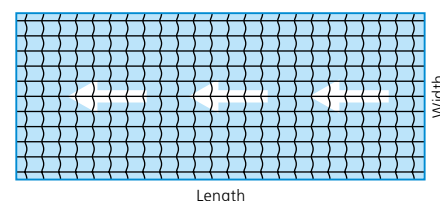
The dimensions of each wire mesh element is 1/2" x 1/2".
Not tested for resistance to fire. In case of need check other wired products.
Also available without a wire mesh as standard patterned glass.



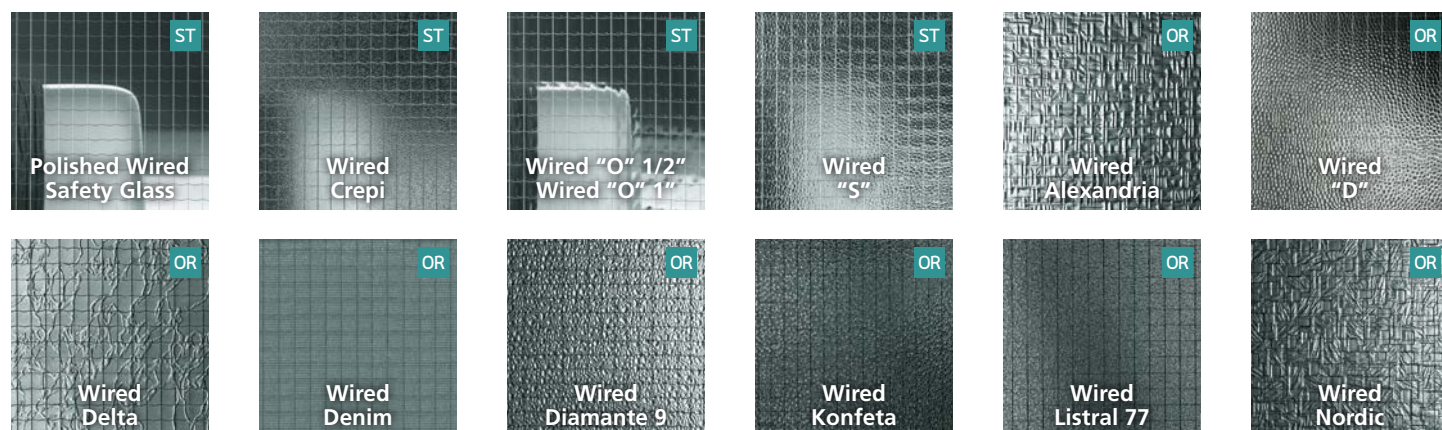
Minimum order

Pattern on request: 2 full loads (48 tons)

Wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

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	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

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Wired Crepi

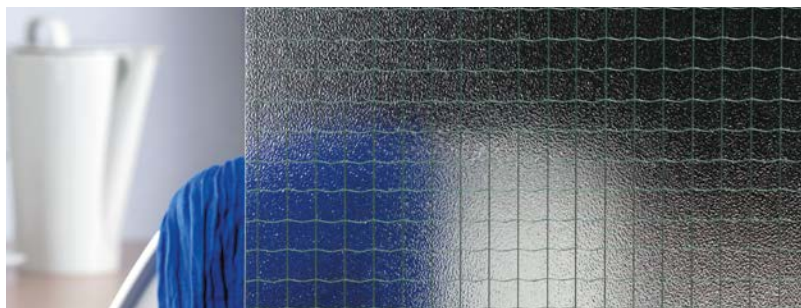
CLEAR PATTERNED GLASS



IMAGIN WIRED

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Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	Dimensions* (length x width in mm)	Thickness (mm)	Maximum dimensions (length x width in mm)
6	2540 x 1850	7	3750 x 2040
	3350 x 2040		

* maximum dimension 3750 x 2040mm

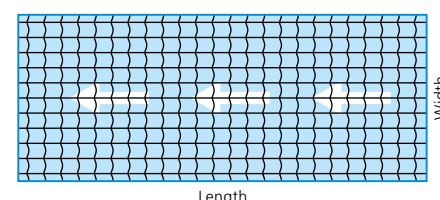
Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" x 1/2"	—	—	—	12 mm / 1 m

Pattern direction



Special information

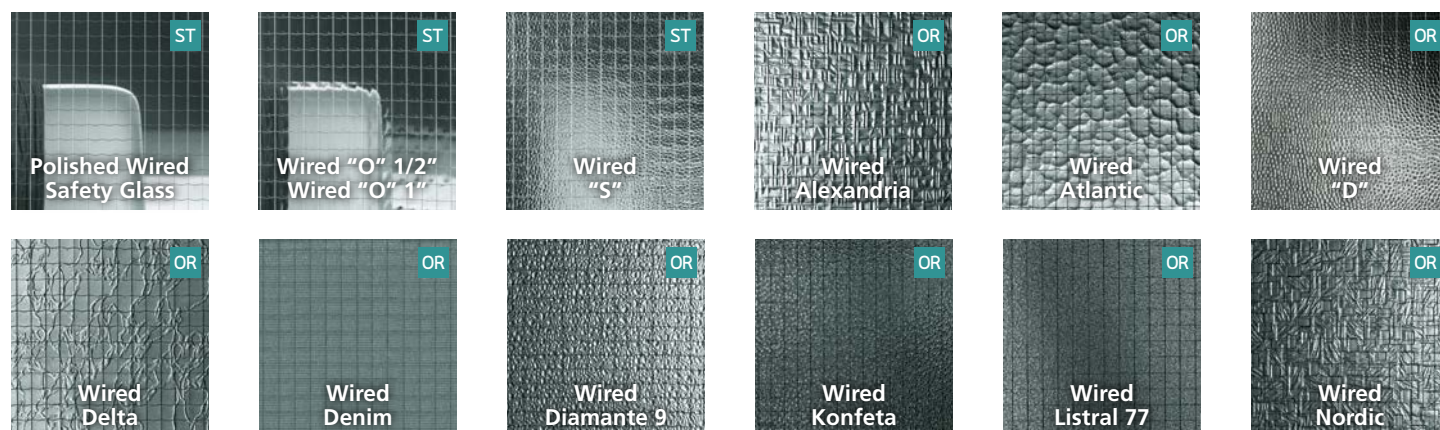
The dimensions of each wire mesh element is 1/2" x 1/2".

Not tested for resistance to fire. In case of need check other wired products.

Also available without a wire mesh as standard patterned glass.

Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
Standard	Non-standard				
6		± 0.6	×	×	✓
	7	± 0.7	×	×	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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Wired "D"

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IMAGIN WIRED

Description

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Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
6	3750 x 2040
7	3750 x 2040

Minimum order

Pattern on request: 2 full loads (48 tons)

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2" x 1/2"	—	—	—	12 mm / 1 m

Special information

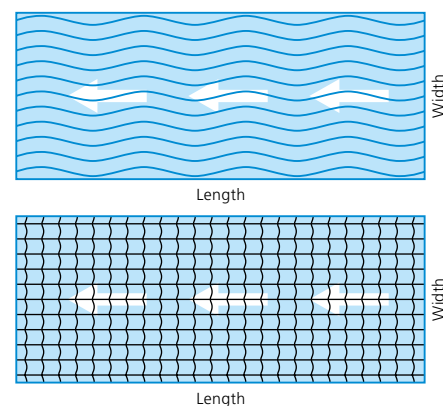
The dimensions of each wire mesh element is 1/2" x 1/2".

Not tested for resistance to fire.

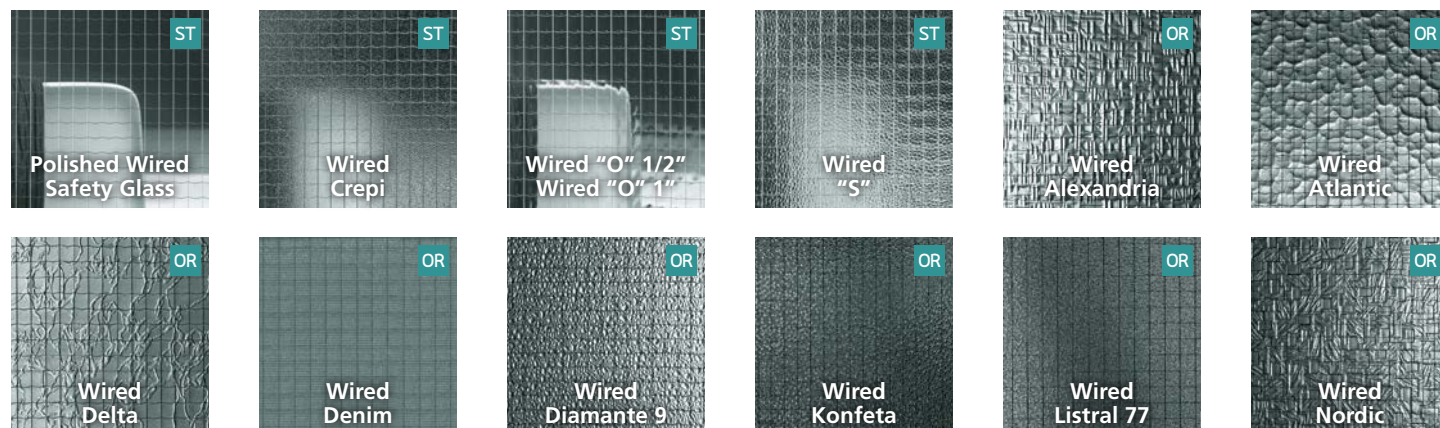
Also available on request without a wire mesh as patterned glass.

Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

Pattern and wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	✗	✗	✓
7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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Wired Delta[®]

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

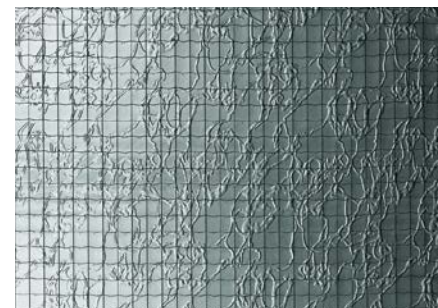
On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
6	3750 x 1850
7	

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2" x 1/2"	—	—	—	12 mm / 1 m

Special information

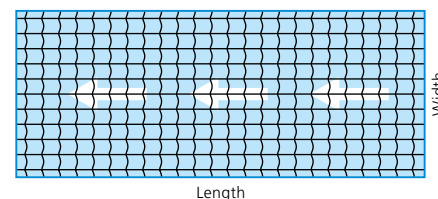
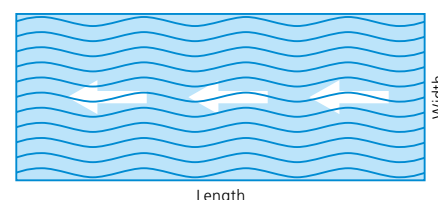
The dimensions of each wire mesh element is 1/2" x 1/2".
Not tested for resistance to fire. In case of need check other wired products.
Also available without a wire mesh as standard patterned glass.



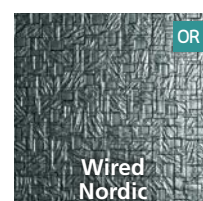
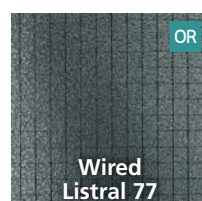
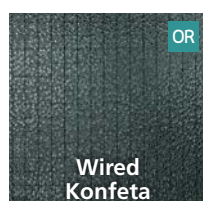
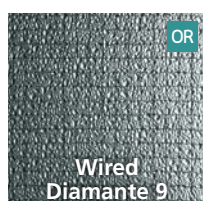
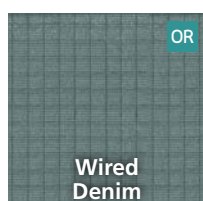
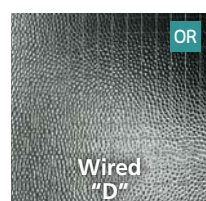
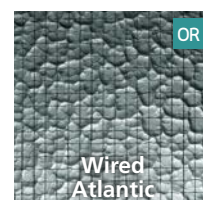
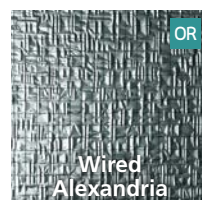
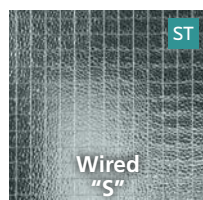
Minimum order

Pattern on request: 2 full loads (48 tons)

Pattern and wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	✗	✗	✓
7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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Wired Denim

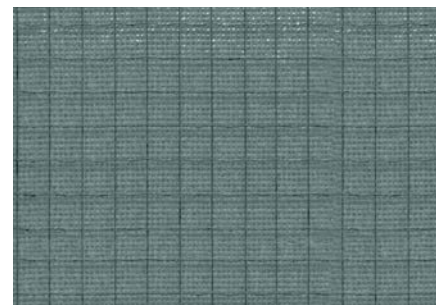
CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

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Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
7	3750 x 2040

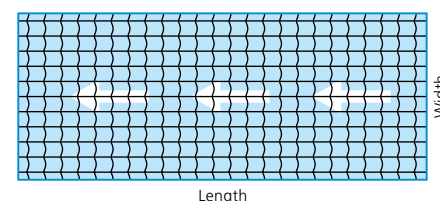
Minimum order

Pattern on request: 2 full loads (48 tons)

Pattern description

Direction of pattern	Dimensions of wire mesh element	Dimensions of pattern element	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" x 1/2"	2.3 x 2.3 mm	3 mm / 1 m	8 mm / 1 m	12 mm / 1 m

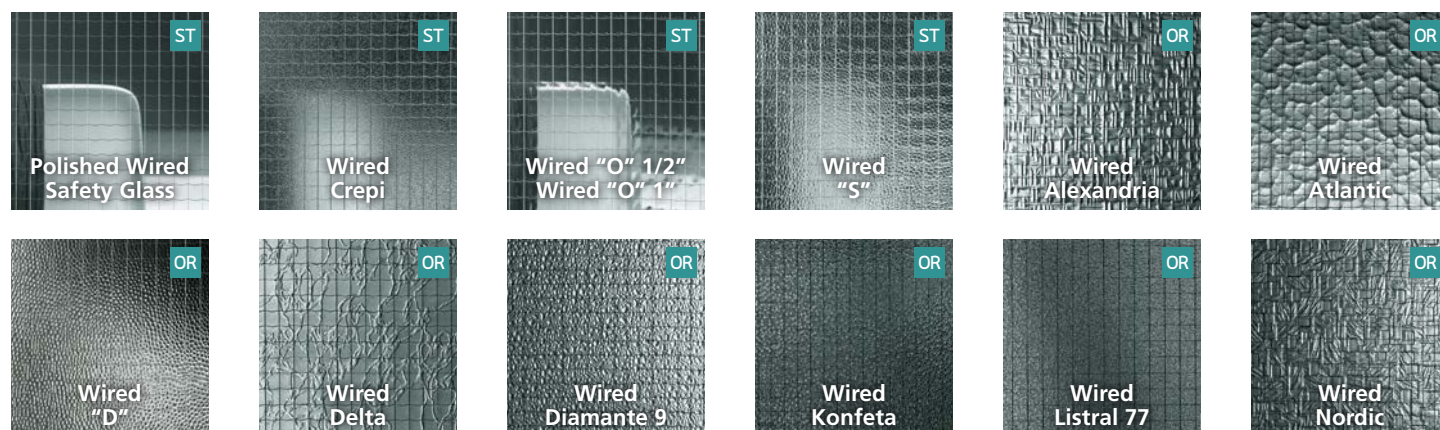
Wire mesh direction



Special information

Double sided pattern: pattern Krizet on the bottom side and pattern Crepi on the top side. The dimensions of each wire mesh element is 1/2" x 1/2". Not tested for resistance to fire. In case of need check other wired products. Also available on request without a wire mesh as patterned glass.

Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7 × 10 ¹⁰ Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10 ³ J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 ⁻⁶ /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

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	7 mm
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Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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Wired Diamante 9

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
7	3750 x 2040

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2" x 1/2"	—	—	—	12 mm / 1 m

Special information

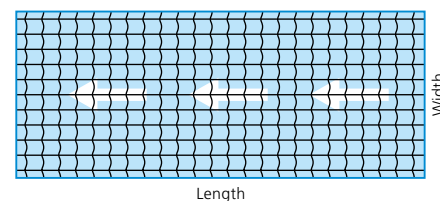
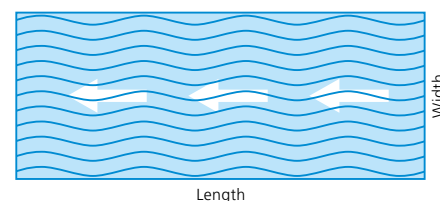
The dimensions of each wire mesh element is 1/2" x 1/2".
Not tested for resistance to fire. In case of need check other wired products.
Also available without a wire mesh as standard patterned glass.



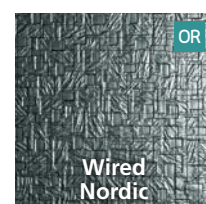
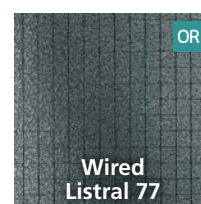
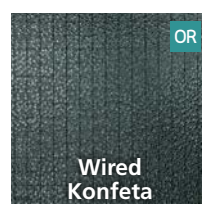
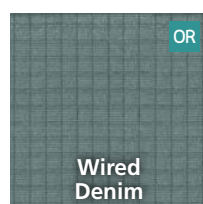
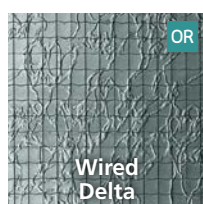
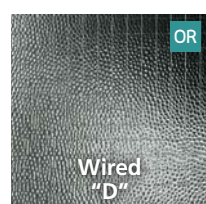
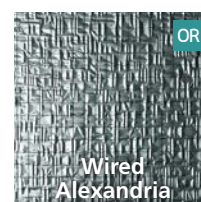
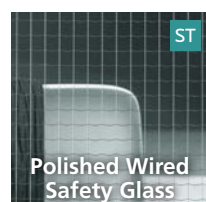
Minimum order

Pattern on request: 2 full loads (48 tons)

Pattern and wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

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Wired Konfeta

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
6	3750 x 2040
7	

Pattern description

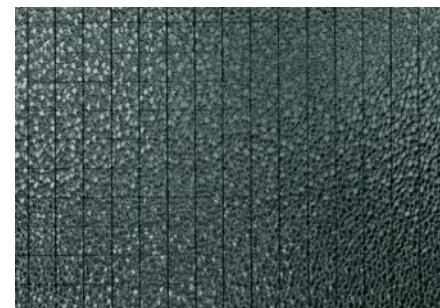
Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" x 1/2"	—	—	—	12 mm / 1 m

Special information

The dimensions of each wire mesh element is 1/2" x 1/2".

Not tested for resistance to fire. In case of need check other wired products.

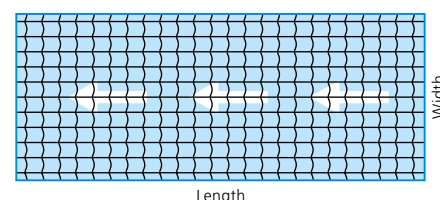
Also available without a wire mesh as standard patterned glass.



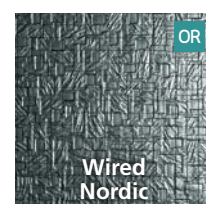
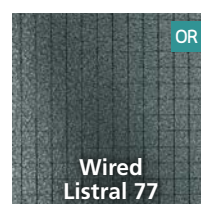
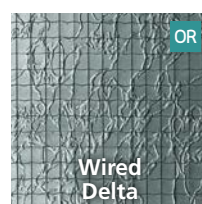
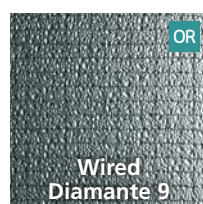
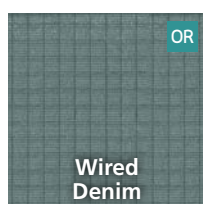
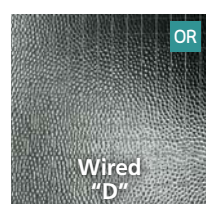
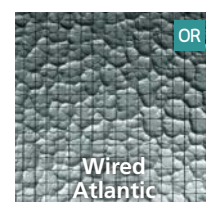
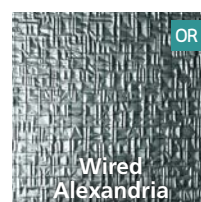
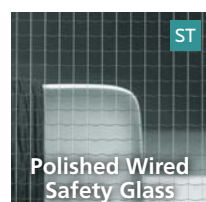
Minimum order

Pattern on request: 2 full loads (48 tons)

Wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	✓
7	± 0.7	×	×	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7 × 10 ¹⁰ Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10 ³ J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 ⁻⁶ /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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Wired Lustral 77

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
6	3750 x 1850
7	

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1" x 1"	—	—	—	12 mm / 1 m

Special information

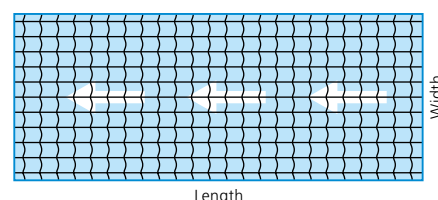
The dimensions of each wire mesh element is 1" x 1".
Not tested for resistance to fire. In case of need check other wired products.
Also available on request without a wire mesh as patterned glass.



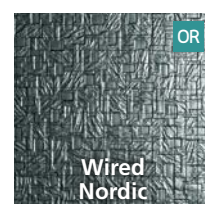
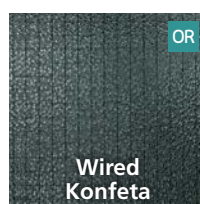
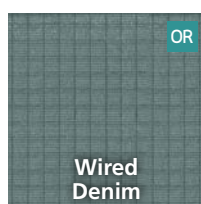
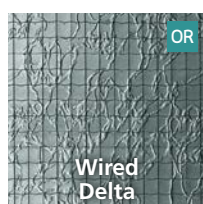
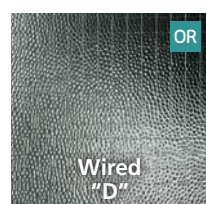
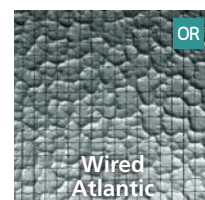
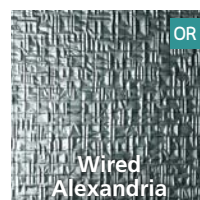
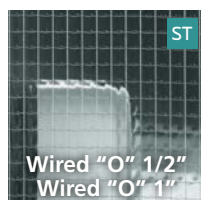
Minimum order

Pattern on request: 2 full loads (48 tons)

Wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	✗	✗	✓
7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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Wired Nordic

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

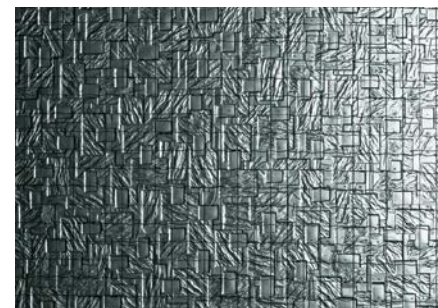
On request	
Thickness (mm)	Maximum dimensions (length x width in mm)
7	3750 x 2040

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2" x 1/2"	—	—	—	12 mm / 1 m

Special information

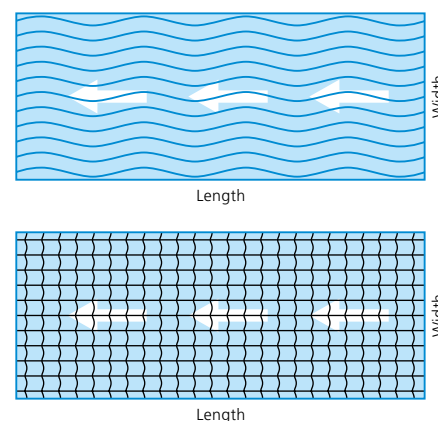
The dimensions of each wire mesh element is 1/2" x 1/2".
Not tested for resistance to fire. In case of need check other wired products.
Also available on request without a wire mesh as patterned glass.



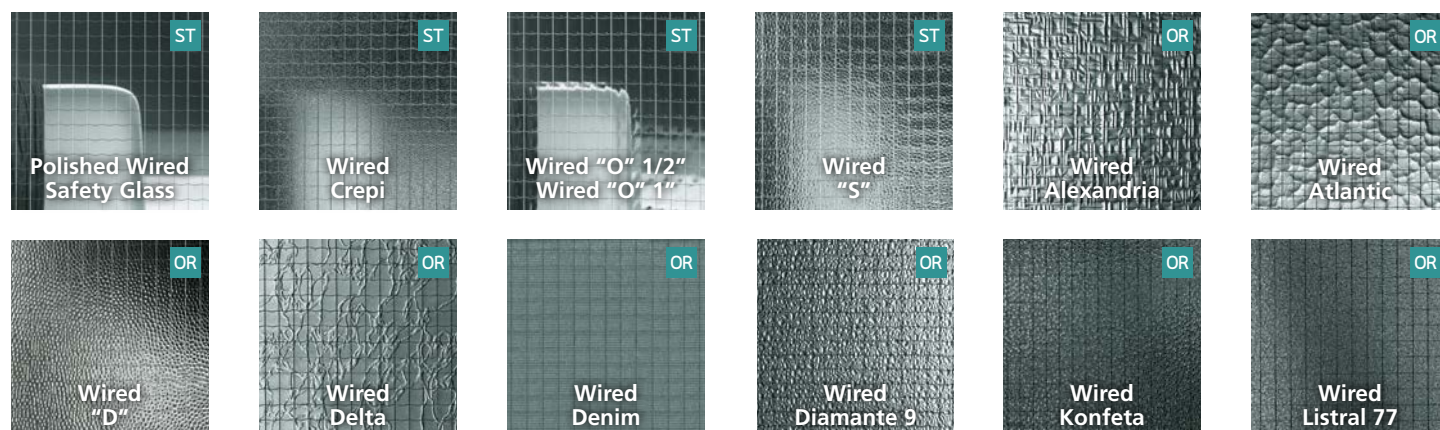
Minimum order

Pattern on request: 2 full loads (48 tons)

Pattern and wire mesh direction



Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Performances according to European standards

The AGC Glass Europe products fulfill the requirements of the relevant European Regulations and Directives applying to Construction products. Compliance with Construction Product Regulation 305/2011 and other relevant Health and Environment legislations can be found on the AGC website www.yourglass.com.

	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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Wired "O" 1/2"

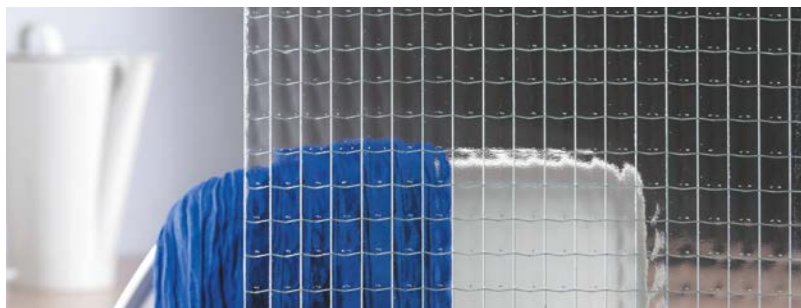
CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	Dimensions* (length × width in mm)	Thickness (mm)	Maximum dimensions (length × width in mm)
6	2130 × 1500	7	3750 × 2040
	2540 × 1850		
	3350 × 1850		
	3350 × 2040		

* maximum dimensions 3750 × 2040 mm

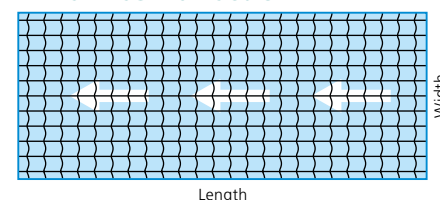
Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" × 1/2"	—	—	—	12 mm / 1 m

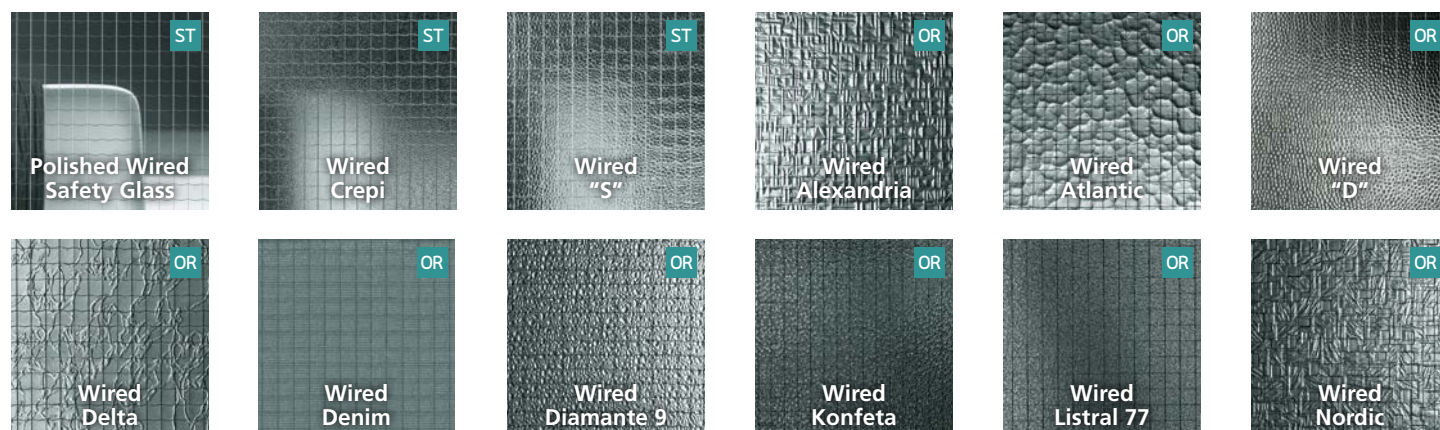
Wire mesh direction



Special information

The dimensions of each wire mesh element is 1/2" × 1/2". Also available with a wire mesh element measuring 1" × 1". Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
Standard	Non-standard				
6		± 0.6	✗	✗	✓
	7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	E30	E30
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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Wired "O" 1"

CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	Dimensions* (length × width in mm)	Thickness (mm)	Maximum dimensions (length × width in mm)
6	3350 × 2040	7	3750 × 2040

* maximum dimensions 3750 × 2040 mm

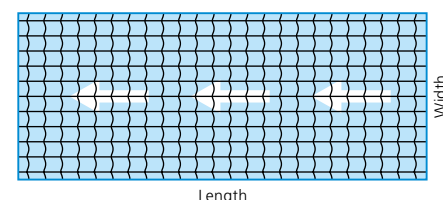
Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1" × 1"	—	—	—	12 mm / 1 m

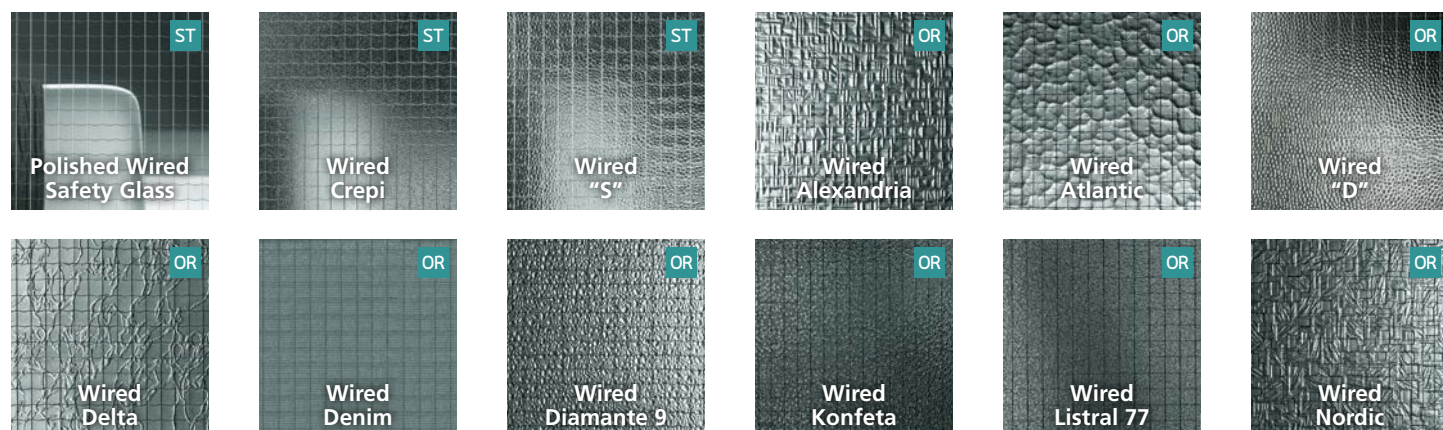
Wire mesh direction



Special information

The dimensions of each wire mesh element is 1" × 1". Also available with a wire mesh element measuring 1/2" × 1/2".

Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
Standard	Non-standard				
6		± 0.6	✗	✗	✓
	7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	6 mm	7 mm
Resistance to fire (EN 13501-2)	E30	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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Wired "S"

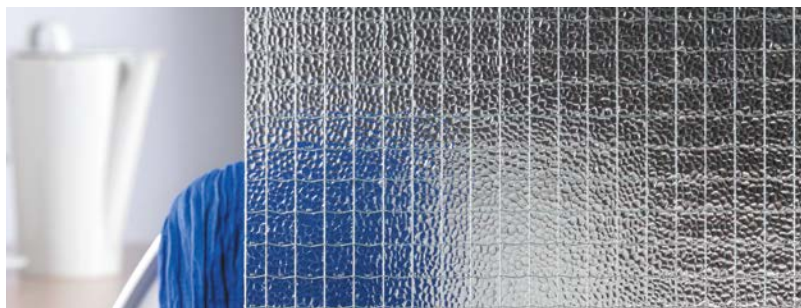
CLEAR PATTERNED GLASS



IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

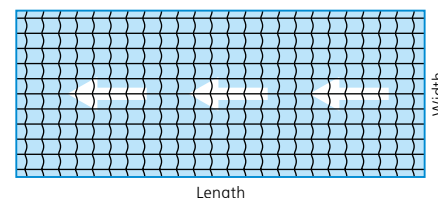
Standard	
Thickness (mm)	Dimensions* (length x width in mm)
6	2540 x 1850
	3350 x 1850
7	3350 x 1850

* maximum dimensions 3750 x 2040 mm

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" x 1/2"	—	—	—	12 mm / 1 m

Wire mesh direction



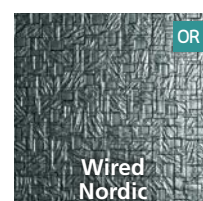
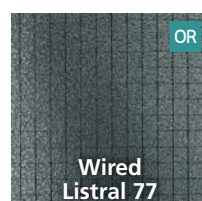
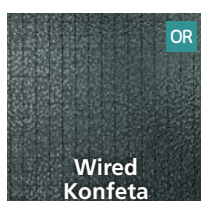
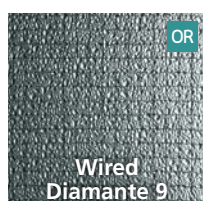
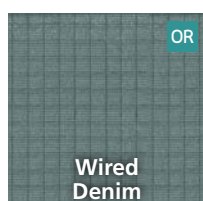
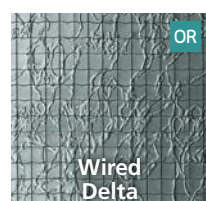
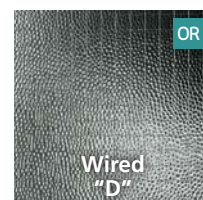
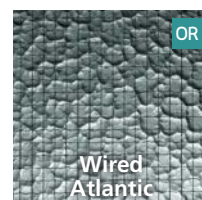
Special information

The dimensions of each wire mesh element is 1/2" x 1/2".

Also available on request without a wire mesh as patterned glass.

Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	✗	✗	✓
7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	E30	E30
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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Polished Wired Safety Glass

CLEAR PATTERNED GLASS

AGC

IMAGIN WIRED

Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



Applications

- furniture
- doors
- fire-resistant barriers
- partitions
- windows
- etc.

Pattern availability

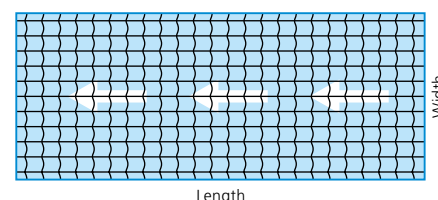
Standard	
Thickness (mm)	Dimensions* (length x width in mm)
7	3302 x 2134

* maximum dimensions 3820x 2540mm

Pattern description

Direction of pattern	Dimensions of wire mesh element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" x 1/2"	—	—	—	—

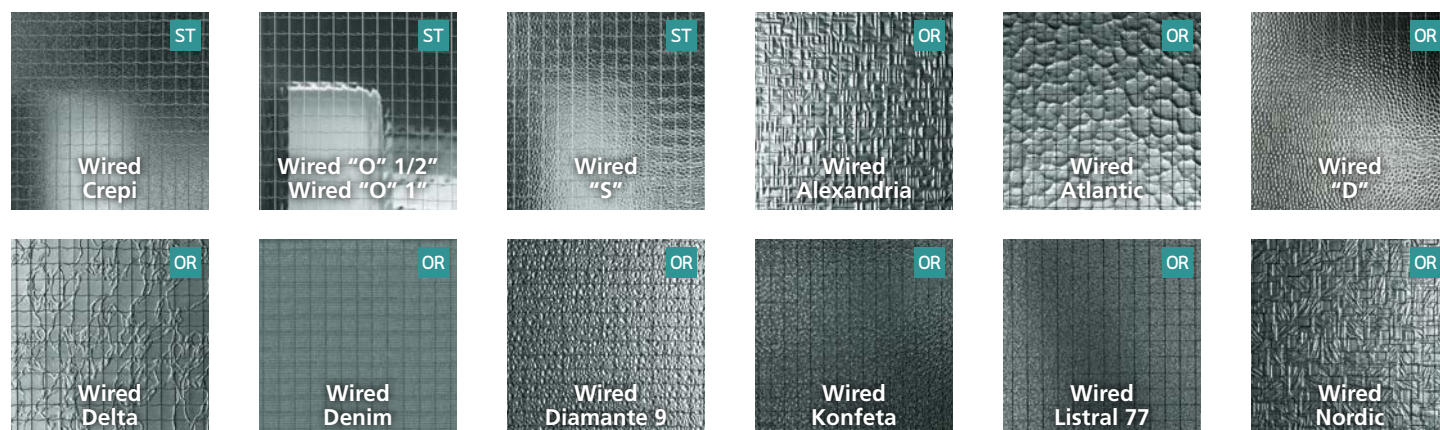
Wire mesh direction



Special information

The dimensions of each wire mesh element is 1/2" x 1/2".

Other wired glass



ST Standard pattern

OR Pattern on request

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance	Tempering	Lamination	IGU
7	6.8–7.6	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m ³
Young's modulus	E	7×10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72×10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9×10^{-6} /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	7 mm
Resistance to fire (EN 13501-2)	E30
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	3B3
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R_w (C; C_{tr})	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τ_v / ρ_v / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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