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

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)	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): τv / ρv / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / $\rho' e$	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.

BACK TO CONTENTS

UK 02/2022

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