



Low-Iron Satin Mirror

A premium mirror with enhanced clarity and reduced greenish tint, thanks to its low-iron glass base. The satin finish provides a smooth, soft appearance, perfect for modern and elegant interior designs.

Chemical Composition:

Silicon Dioxide (69% to 74%)
Calcium Oxide (5% to 14%)
Sodium Oxide (10% to 16%)
Magnesium Oxide (0% to 6%)
Aluminum Oxide (0% to 3%)
Other (0% to 5%)

Physical and Mechanical Properties

Characteristic	Symbol	Value and unit
Density (at 18°C)	ρ	2 500kg,m3
Knop hardness	Hk0.1/20	6 GPa
Young's modulus	E	7x1010 Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0,72 x 103J/(kg.k)
Nominal value of avg coefficient of linear expansion between 20 ° C and 300°	α	9 x 10-6/K
Resistance against temperature differential and sudden temperature change	v40 Kb	
Thermal conductivity	λ	1 W / (m. K)
Mean refractive index to visible radiation (at 589,3nm)	n	1,5
Emissivity (corrected)	ε	0,837
Characteristic bending strength	Fg,kk	45 N/ mm2

Glass Lite Tolerances (Stock Sheet Size)

Nominal Thickness	Thickness Tolerances	Dimension Tolerances
2.3 mm (3/32") - 6 mm (1/4")	±0.2mm	±4mm
8 mm (5/16") - 12 mm (1/2")	±0.3mm	±4mm
19 mm (3/4") - 25 mm (1")	±1.0mm	±5mm