

FIRE RESISTANCE CLASS	EI 30	EI 60	EI 120
APPLICATION	for interior	for interior	for interior
THICKNESS (mm)	17,3	26,0	52,0
WEIGHT (Kg/mq)	40	45	100
SOUND PROOFING	ca. 39 dB	41 dB	46 dB
IMPACT PROTECTION	600 J	600 J	900 J
DIMENSIONAL TOLERANCE (mm)	+/- 2	+/- 2	+/- 3
THERMAL INSULATION (K Watt)	---	5,3	5,2
TEMPERATURE CONDITIONS	-20° / +40°	-20° / +40°	-20° / +40°
DIMENSION LIMIT (mm)	1600 x 2830	1200 x 2400	1100 x 2100

TOLERANCE OF ASPECT	<p><i>Little bubbles or other optical defect can be appear on surface of glass, but they do not prevent substantially the view.</i></p> <p><i>These imperfections, due to production, do not modify the fire resistance class and they cannot be reason for claim.</i></p>
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DECORATION	<i>Glass are ready to be assembled and they cannot be modified.</i>
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ISOLAMENTO TERMICO	<p><i>If it is assembled in a construction element, glass EI is a perfect protection against fire: temperature of the face opposed to fire remains under the critical temperature, preventing dangerous propagation of fire.</i></p> <p><i>Moreover, glass EI allows evacuation of people without risk if panic or burns.</i></p> <p><i>In spite of fire, glass EI keeps cohesion and stability of endurance even if it's subject to water, but it is easy to perforate to allow medical aid and police to intervene.</i></p>
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SECURITY AND INSULATION	<p><i>In the eyes of security, glass EI answers positively to the proof of stabilizing mass sack, so it could be considered as safety glass in the construction.</i></p> <p><i>Glass EI has also a great acoustic insulation: about 41 dB for glass EI 60 and about 46 dB for glass EI 120.</i></p>
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SIMPLICITY, EFFICIENCY, APPEARANCE AND CHEAPNESS	<p><i>Glass EI does not need complicated assembly system or specific materials for the assembly, because glass expands and fix in the rabbet during the fire.</i></p> <p><i>In order to achieve a fire proof result, glass EI must be installed in an appropriate element (fire proof doors, windows...) and glass-doors/windows construction must be tested by an authorized laboratory.</i></p>
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**E1**

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## FIRE-PROOF GLASSES

TECHNICAL CHARACTERISTICS



SEBINO CHIUSURE Srl  
I - 24020 Scanzorosclate (BG)  
Via XXV Aprile, 21  
Tel. 035.24.27.10  
Fax 035.24.47.37  
[www.sebinochiusure.it](http://www.sebinochiusure.it)  
[Info@sebinochiusure.it](mailto:Info@sebinochiusure.it)