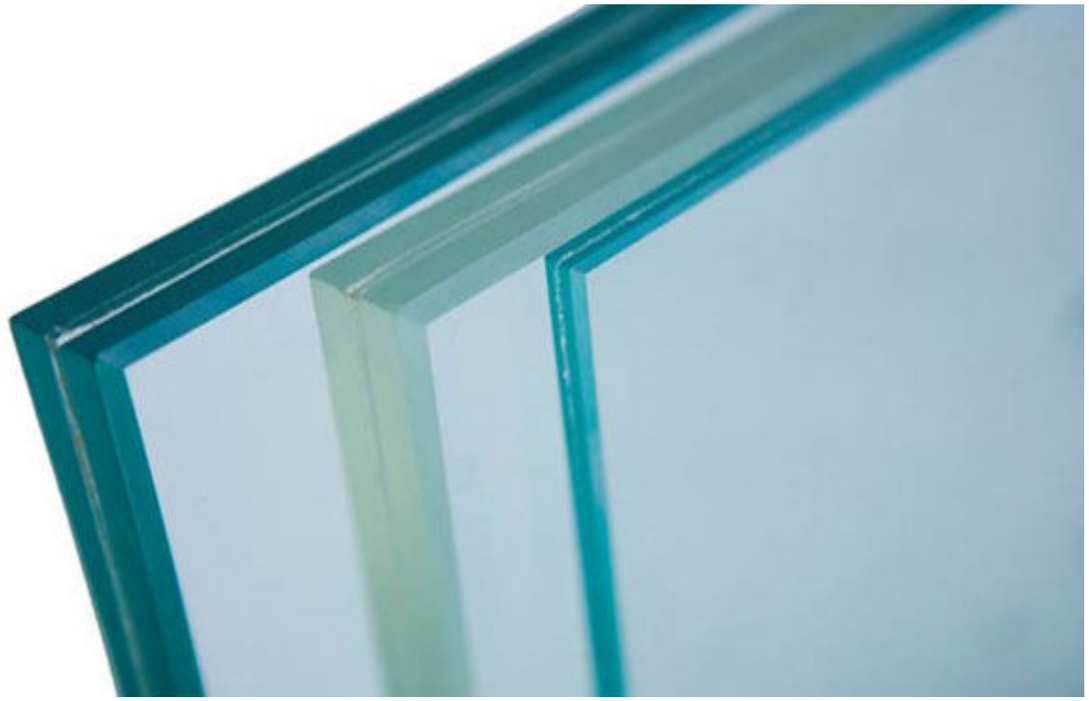
Glass for Guards +

DECLARATION OF PERFORMANCE



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Exp.Dept: exportoffice@repar2.com

DICHIARAZIONE DELLE PRESTAZIONI

CE

Saint-Gobain Building Glass Europe

Tour Saint-Gobain 12 place de l'Iris 92400 Courbevoie France

EN 14449:2005+AC: 2005 - Vetro stratificato e vetro stratificato di sicurezza per uso in edilizia e nelle costruzioni

STADIP 22.1

L0102940

NB: 0336, 0497, 0679, 0757, 0809, 1004, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

CARATTERISTICHE ESSENZIALI	AVCP SYSTEMS	PRESTAZIONI
Per usi correlati alla sicurezza in caso di incendio		
Resistenza al fuoco	1	NPD
Reazione al fuoco	3,4	NPD
Prestazioni rispetto ad un fuoco esterno	3,4	NPD
Per usi quale vetro antiproiettile o antiesplosione		
Resistenza ai proiettili	1	NPD
Resistenza all' esplosione	1	NPD
Per usi suscettibili di presentare rischi di "sicurezza di utilizzo" sottoposti alle normative corrispondenti		
Resistenza all'effrazione	3	NPD
Resistenza all?impatto del pendolo	3	2B2
Resistenza alle forti variazioni di temperatura e alle temperature differenziali (K)	4	NPD
Resistenza ai carichi di vento, neve ed ai carichi permanenti ed imposti (N/mm^2)	4	45/45
Per usi collegati alla riduzione del rumore		
Isolamento al rumore aereo diretto (dB)	3	31(-1;-2)
Per usi collegati al risparmio energetico		
Emissività ε_d	3	0.89
Valore U ($W/(m^2.K)$)	3	NPD
Trasmittanza luminosa τ_v	3	0.9
Riflettanza luminosa ρ_v/ρ'_v	3	0.08/0.08
Trasmittanza solare diretta τ_e	3	0.81
Riflettanza solare diretta	3	0.08/0.08
Valore g	3	0.84
Durabilità	3	NPD

PLANICLEAR 2 mm / 1 - PVB CLEAR / PLANICLEAR 2 mm

NPD: Performance Non Determinata

Le prestazioni del prodotto sono conformi alle prestazioni dichiarate.
Si rilascia la presente dichiarazione di prestazione sotto la responsabilità esclusiva del fabbricante.
Firmato a nome e per conto del produttore da:

Fabrice Desmons — 10/10/2022

International Product Strategy Director Building Glass — Courbevoie - France

DECLARATION OF PERFORMANCE

CE

Saint-Gobain Building Glass Europe

Tour Saint-Gobain 12 place de l'Iris 92400 Courbevoie France

EN 14449:2005+AC: 2005 - Laminated glass and laminated safety glass intended to be used in buildings and construction works

STADIP 22.1

L0102940

NB: 0336, 0497, 0679, 0757, 0809, 1004, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

ESSENTIAL CHARACTERISTICS	AVCP SYSTEMS	PERFORMANCES
For uses relating to safety in case of fire:		
Resistance to fire	1	NPD
Reaction to fire	3,4	NPD
External fire performance	3,4	NPD
For uses as anti-bullet or anti-explosion glazing		
Bullet resistance	1	NPD
Explosion resistance	1	NPD
For uses liable to present "safety-in-use" risks and subject to such regulations		
Burglar resistance	3	NPD
Pendulum body impact resistance	3	2B2
Resistance against sudden temperature changes and temperature differentials (K)	4	NPD
Wind, snow, permanent and imposed load resistance (N/mm^2)	4	45/45
For uses relating to noise reduction		
Direct airborne sound insulation (dB)	3	31(-1;-2)
For uses relating to energy conservation		
Emissivity ε_d	3	0.89
U-value ($W/(m^2.K)$)	3	NPD
Light transmittance τ_v	3	0.9
Light reflectance ρ_v/ρ'_v	3	0.08/0.08
Solar direct transmittance τ_e	3	0.81
Solar direct reflectance	3	0.08/0.08
g-value	3	0.84
Durability	3	NPD

PLANICLEAR 2 mm / 1 - PVB CLEAR / PLANICLEAR 2 mm

NPD : No Performance Determined

The performance of the product is in conformity with the declared performances.
This declaration of performance is issued under the sole responsibility of the manufacturer.
Signed for and on behalf of the manufacturer by:

Fabrice Desmons — 10/10/2022

International Product Strategy Director Building Glass — Courbevoie - France

DECLARATION OF PERFORMANCE

Manufacturer:
Saint-Gobain Glass UK Ltd
Saint-Gobain House, East Leake - Loughborough, Leicestershire, LE12 6JU United-Kingdom

BS EN 14449:2005+AC: 2005 - Laminated glass and laminated safety glass intended to be used in buildings and construction works

STADIP 22.1
L0102940

AB: 0086 NB: 0336, 0497, 0679, 0757, 0809, 1004, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

ESSENTIAL CHARACTERISTICS	AVCP SYSTEMS	PERFORMANCES
For uses relating to safety in case of fire:		
Resistance to fire	1	NPD
Reaction to fire	3,4	NPD
External fire performance	3,4	NPD
For uses as anti-bullet or anti-explosion glazing		
Bullet resistance	1	NPD
Explosion resistance	1	NPD
For uses liable to present "safety-in-use" risks and subject to such regulations		
Burglar resistance	3	NPD
Pendulum body impact resistance	3	2B2
Resistance against sudden temperature changes and temperature differentials (K)	4	NPD
Wind, snow, permanent and imposed load resistance (N/mm^2)	4	45/45
For uses relating to noise reduction		
Direct airborne sound insulation (dB)	3	31(-1;-2)
For uses relating to energy conservation		
Emissivity ε_4	3	0.89
U-value ($W/(m^2.K)$)	3	NPD
Light transmittance τ_v	3	0.9
Light reflectance ρ_v/ρ'_v	3	0.08/0.08
Solar direct transmittance τ_e	3	0.81
Solar direct reflectance	3	0.08/0.08
g-value	3	0.84
Durability	3	NPD

PLANICLEAR 2 mm / 1 - PVB CLEAR / PLANICLEAR 2 mm

NPD : No Performance Determined

The performance of the product is in conformity with the declared performances.
This declaration of performance is issued under the sole responsibility of the manufacturer.
Signed for and on behalf of the manufacturer by:

Steve Severs
Managing Director, Saint Gobain Glass United Kingdom

10/10/2022
East Leake - United Kingdom

DÉCLARATION DES PERFORMANCES

Saint-Gobain Building Glass Europe

Tour Saint-Gobain 12 place de l'Iris 92400 Courbevoie France

EN 14449:2005+AC: 2005 - Verre feuilleté et verre feuilleté de sécurité destiné à être utilisé dans des bâtiments et des ouvrages de construction

STADIP 22.1

L0102940

NB: 0336, 0497, 0679, 0757, 0809, 1004, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

CARACTÉRISTIQUES ESSENTIELLES	AVCP SYSTEMS	PERFORMANCES
Pour des usages relatifs à la sécurité en cas d'incendie		
Résistance au feu	1	NPD
Réaction au feu	3,4	NPD
Performances de comportement vis-à-vis d'un feu extérieur	3,4	NPD
Pour des usages de vitrage résistant aux balles ou aux explosions		
Résistance aux balles	1	NPD
Résistance aux explosions	1	NPD
Pour des usages susceptibles de présenter des risques de "sécurité d'utilisation" soumis aux réglementations correspondantes		
Résistance aux effractions	3	NPD
Résistance à l'impact d'un pendule	3	2B2
Résistance aux variations brutales de température et aux températures différentielles (K)	4	NPD
Résistance aux charges dues au vent, à la neige, aux charges permanentes et imposées (N/mm^2)	4	45/45
Pour des usages relatifs à la réduction du bruit		
Isolation au bruit aérien direct (dB)	3	31(-1;-2)
Pour des usages relatifs à l'économie d'énergie		
Emissivité ε_d	3	0.89
Valeur U ($W/(m^2.K)$)	3	NPD
Transmission lumineuse τ_v	3	0.9
Réflexion lumineuse ρ_v/ρ'_v	3	0.08/0.08
Transmission directe de l'énergie solaire τ_e	3	0.81
Reflexion directe de l'énergie solaire	3	0.08/0.08
Coefficient g	3	0.84
Durabilité	3	NPD

PLANICLEAR 2 mm / 1 - PVB CLEAR / PLANICLEAR 2 mm

NPD: Performance Non Déterminée

Les performances du produit sont conformes aux performances déclarées.
La présente déclaration des performances est établie sous la seule responsabilité du fabricant.
Signé pour le fabricant et en son nom par:

Fabrice Desmons — 10/10/2022

International Product Strategy Director Building Glass — Courbevoie - France



LEISTUNGSERKLÄRUNG

CE

Saint-Gobain Building Glass Europe

Tour Saint-Gobain 12 place de l'Iris 92400 Courbevoie France

EN 14449:2005+AC: 2005 - Verbundglas und Verbundsicherheitsglas zur Verwendung in Gebäuden und Bauten

STADIP 22.1

L0102940

NB: 0336, 0497, 0679, 0757, 0809, 1004, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

WESENTLICHE MERKMALE	AVCP SYSTEMS	LEISTUNG
Verhalten für Sicherheit im Brandfall		
Feuerwiderstand	1	NPD
Brandverhalten	3,4	NPD
Verhalten bei Beanspruchung durch Feuer von außen	3,4	NPD
Zur Anwendung als beschusshemmende oder sprengwirkungshemmende Verglasung		
Durchschusshemmung	1	NPD
Sprengwirkungshemmung	1	NPD
Andere Anwendungen, die Risiken für die "Sicherheit in der Anwendung" aufweisen und den entsprechenden Vorschriften unterliegen		
Einbruchhemmung	3	NPD
Pendelschlagwiderstand	3	2B2
Beständigkeit gegen plötzlicheTemperaturwechsel undTemperaturunterschiede (K)	4	NPD
Widerstand gegen Schnee-, Wind-, Dauerlasten bzw. sonstige Lasten (N/mm^2)	4	45/45
Zur Anwendung als Schallschutz		
Direkte Luftschalldämmung (dB)	3	31(-1;-2)
Anwendungen des Wärmeschutzes		
Emissivität ε_d	3	0.89
U-Wert ($W/(m^2.K)$)	3	NPD
Lichttransmission τ_v	3	0.9
Lichtreflektion ρ_v/ρ'_v	3	0.08/0.08
Energietransmission τ_e	3	0.81
Energiereflektion	3	0.08/0.08
g-Wert	3	0.84
Dauerhaftigkeit	3	NPD

PLANICLEAR 2 mm / 1 - PVB CLEAR / PLANICLEAR 2 mm

NPD: Keine Leistungseigenschaften bestimmt

Die Leistung des Produkts entspricht der erklärten Leistung.
Verantwortlich für die Erstellung dieser Leistungserklärung ist allein der Hersteller.
Unterzeichnet für den Hersteller und im Namen des Herstellers von:

Fabrice Desmons — 10/10/2022

International Product Strategy Director Building Glass — Courbevoie - France



DECLARACIÓN DE PRESTACIONES

Saint-Gobain Building Glass Europe

Tour Saint-Gobain 12 place de l'Iris 92400 Courbevoie France

EN 14449:2005+AC: 2005 - Vidrio laminado y vidrio laminado de seguridad para su uso en edificación y trabajos de construcción

STADIP 22.1

L0102940

NB: 0336, 0497, 0679, 0757, 0809, 1004, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

CARACTERÍSTICAS ESENCIALES	AVCP SYSTEMS	PRESTACIONES
Para usos relativos a la seguridad en caso de incendio		
Resistencia al fuego	1	NPD
Reacción al fuego	3,4	NPD
Prestaciones de comportamiento frente a fuego exterior	3,4	NPD
Para uso como acristalamiento anti-balas o anti-explosión		
Resistencia a las balas	1	NPD
Resistencia a las explosiones	1	NPD
Para usos susceptibles de presentar riesgos de "seguridad en la utilización" sometido a las reglamentaciones correspondientes		
Resistencia a la agresión	3	NPD
Resistencia al impacto de cuerpo pendular	3	2B2
Resistencia a variaciones bruscas de temperatura y a temperaturas diferenciales (K)	4	NPD
Resistencia a las cargas de viento, nieve y a las cargas permanentes e impuestas (N/mm^2)	4	45/45
Para usos relativos a la reducción de ruido		
Aislamiento al ruido aereo directo (dB)	3	31(-1;-2)
Para usos relativos al ahorro energético		
Emisividad ε_4	3	0.89
Valor U ($W/(m^2.K)$)	3	NPD
Transmisión luminosa τ_v	3	0.9
Reflexión luminosa ρ_v/ρ'_v	3	0.08/0.08
Transmisión de la energía solar τ_e	3	0.81
Reflexión de la energía solar	3	0.08/0.08
Coeficiente g	3	0.84
Durabilidad	3	NPD

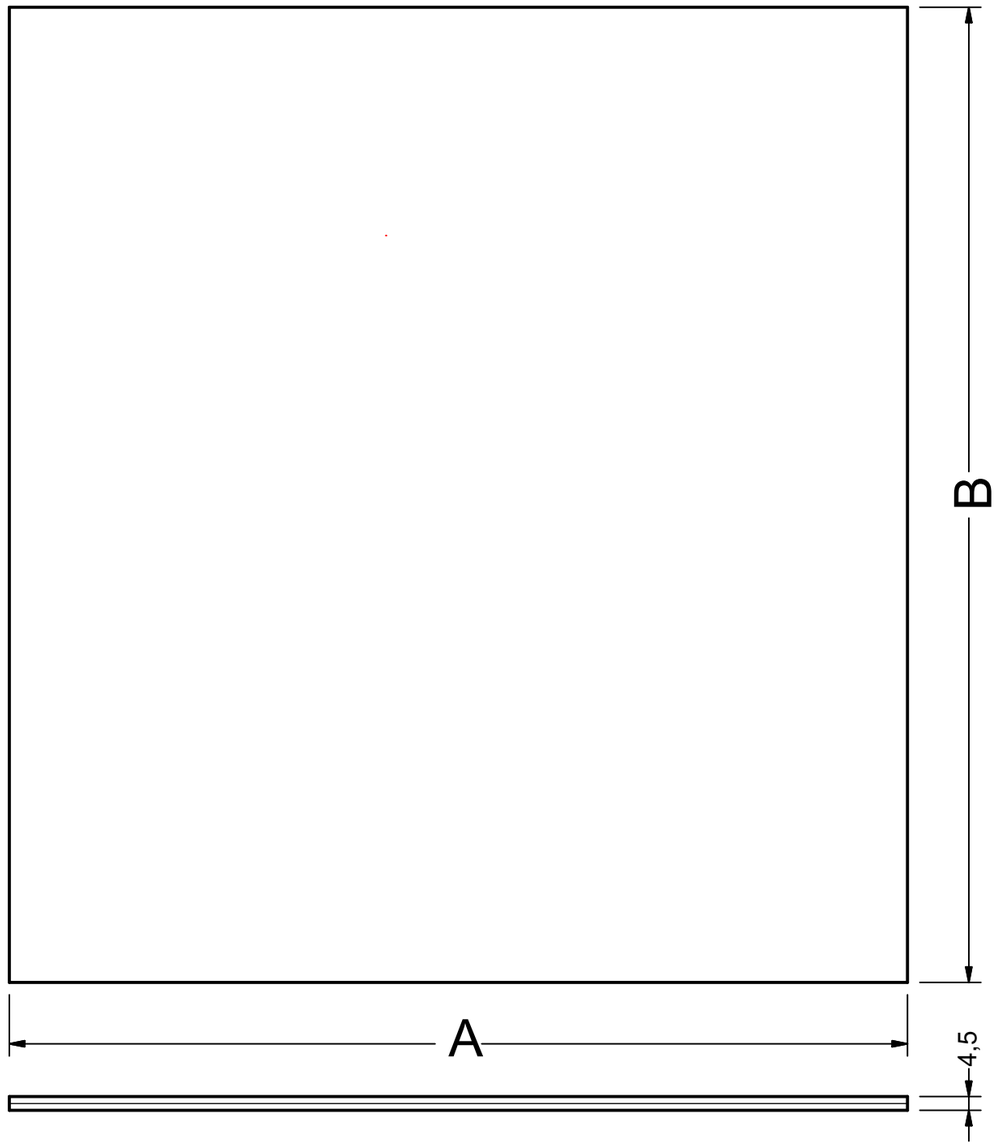
PLANICLEAR 2 mm / 1 - PVB CLEAR / PLANICLEAR 2 mm

NPD: Prestacion No Determinada

Las prestaciones del producto son conformes con las prestaciones declaradas.
La presente declaración de prestaciones se emite bajo la única responsabilidad del fabricante.
Firmado por el fabricante, y en su nombre por:

Fabrice Desmons — 10/10/2022

International Product Strategy Director Building Glass — Courbevoie - France



Major SCHERMO IN VETRO
GLASS SCREEN for Major

MAJOR 700 - VT- Front- **A-280 x B-353**	**Up A-273 x B-350**
MAJOR 800 - VT- Front- **A-350 x B-330**	**Up A-273 x B-350**
MAJOR 1000 - VT - Front- A-350 x B-420	**Up A-273 x B-350**
MAJOR 1200 - VT - Front- **A-490 x B-350**	**Up A-273 x B-350**
MAJOR 1500 - VT - Front- A-625 x B-350	**Up A-273 x B-350**



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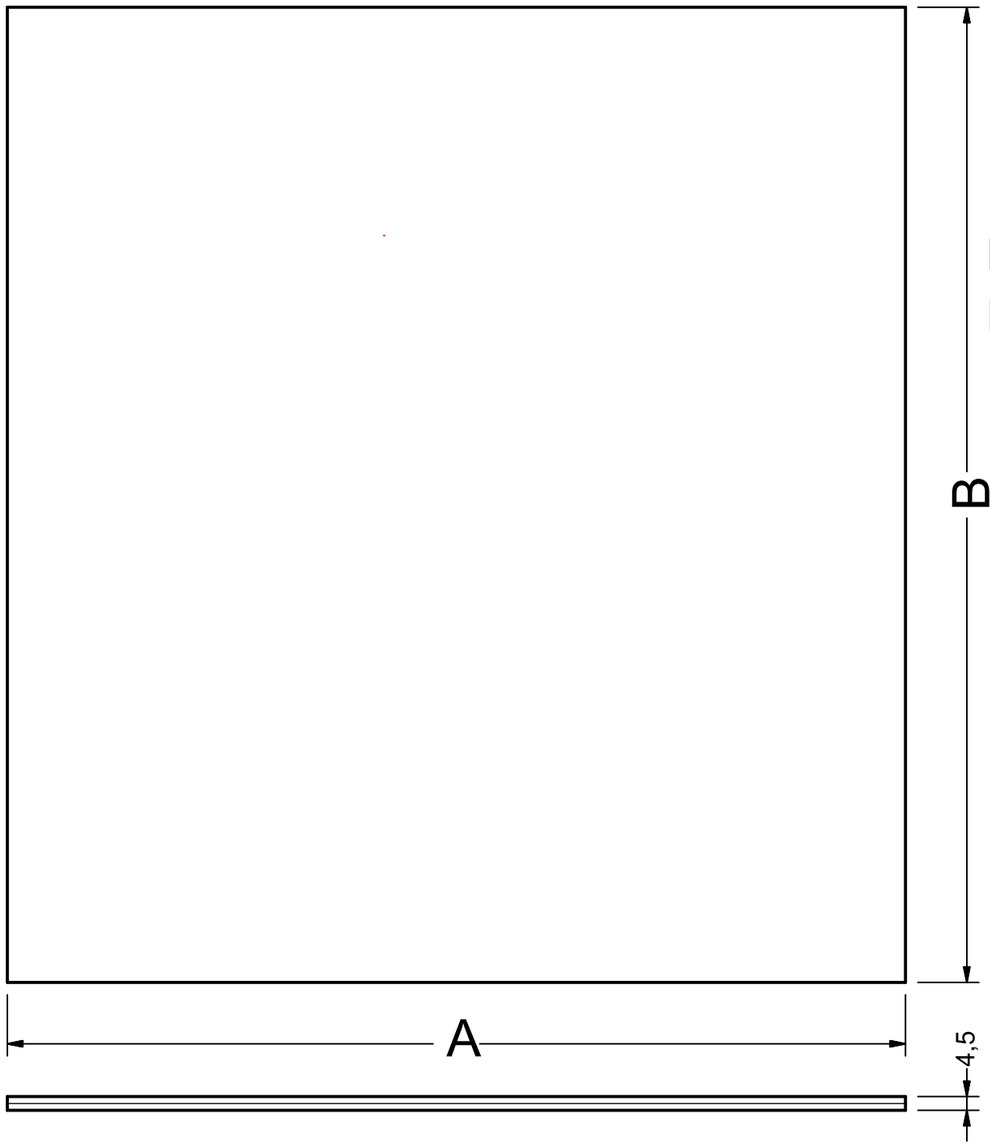
Minor SCHERMO IN VETRO
GLASS SCREEN for Minor

MINOR AER VT- **Front A- 210 x B- 450** **Up A- 210 x B- 450**

MINOR SPECIAL VT- **Front A- 265 x B- 450** **Up A- 210 x B- 450**





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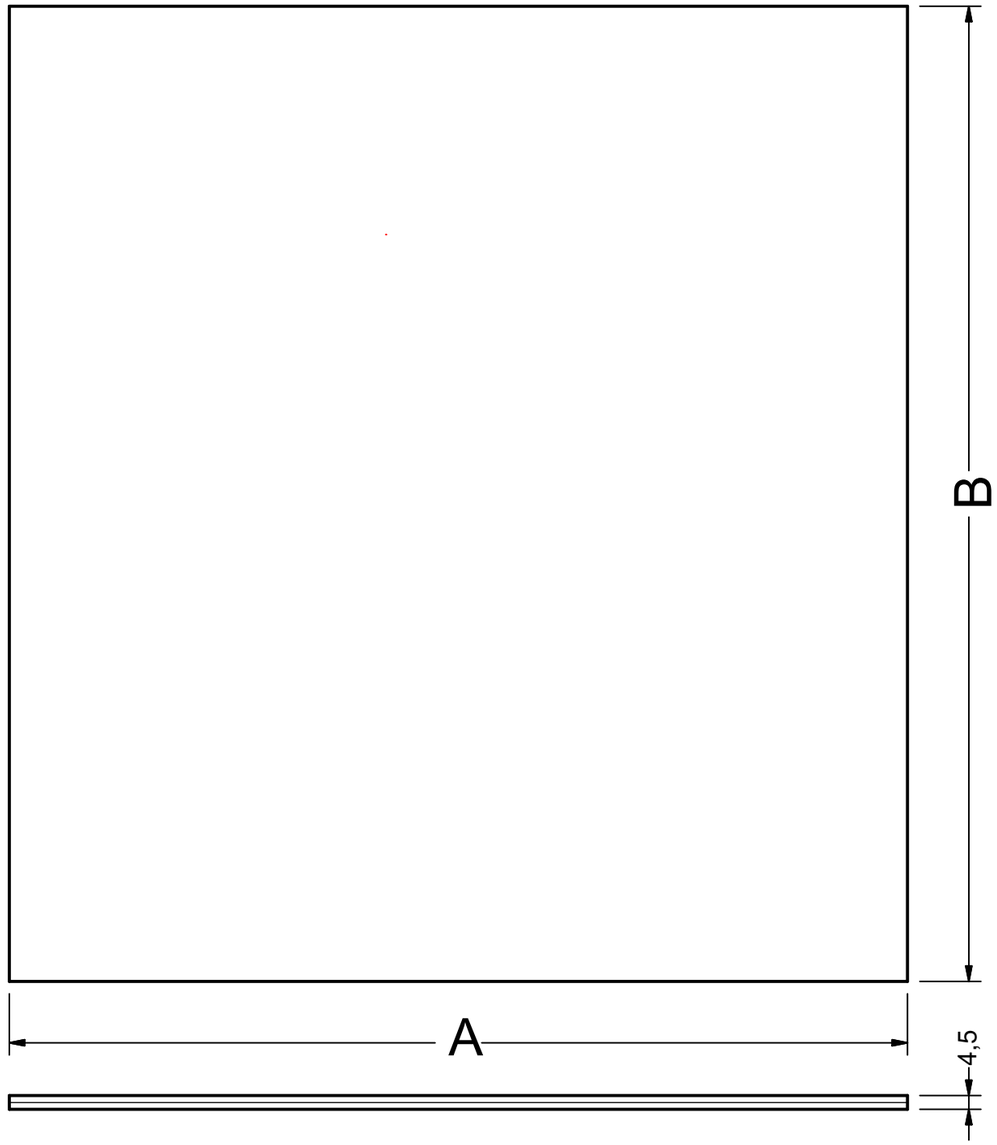
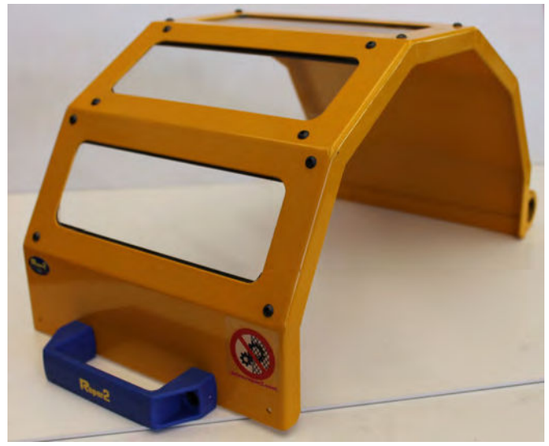


VT SCHERMO IN VETRO
GLASS SCREEN for VT

VT 300x240- N°3- A= 225 x B- 55
VT 350x240- N°3- A= 225 x B- 70
VT 400x240- N°3- A= 225 x B- 80
VT 450x240- N°3- A= 225 x B- 92
VT 500x240- N°3- A= 225 x B- 105
VT 600x240- N°3- A= 225 x B- 135





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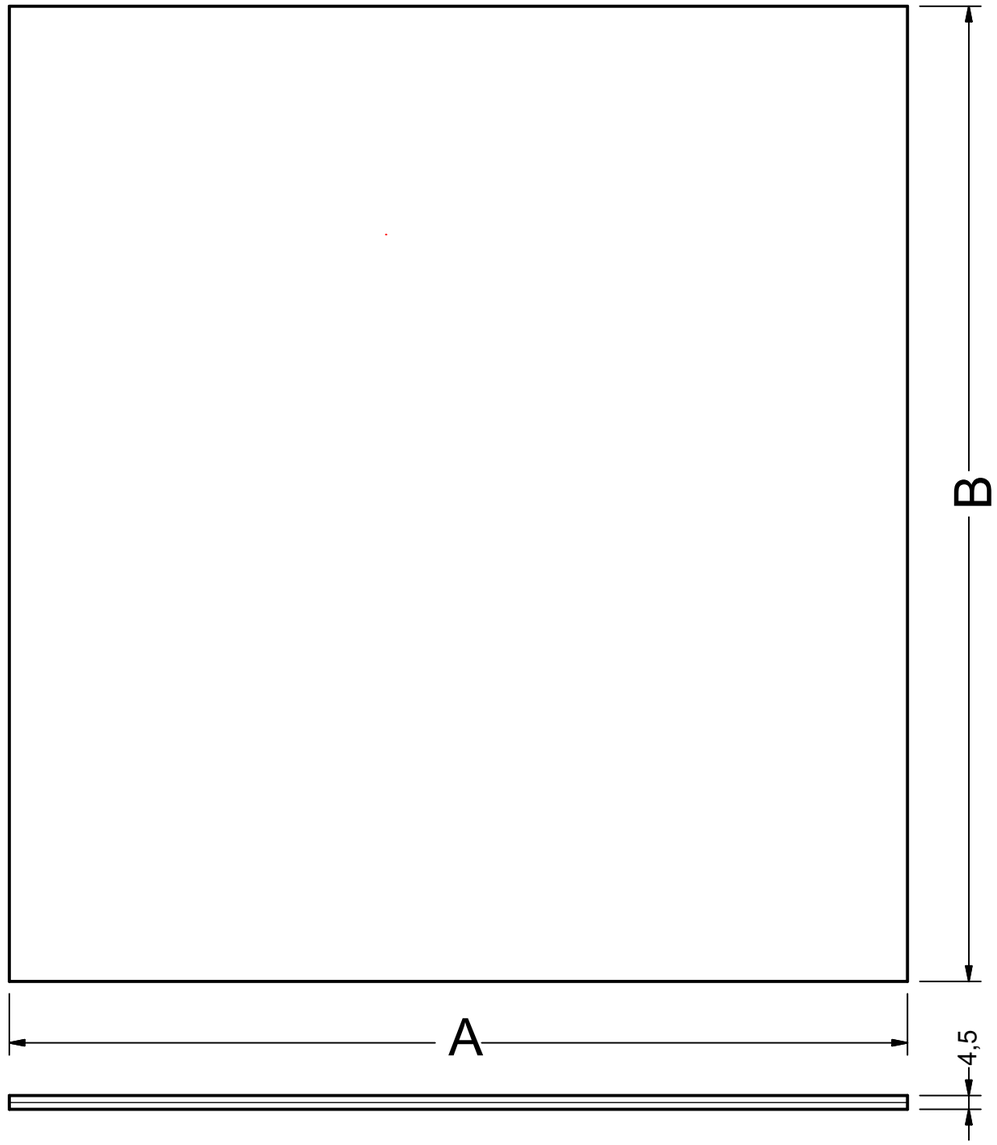

IE SCHERMO IN VETRO
GLASS SCREEN for IE

IE/A Front A=250 x B=230 - UP A=250 x B=210
IE/B Front A=322 x B=300 - UP A=315 x B=300





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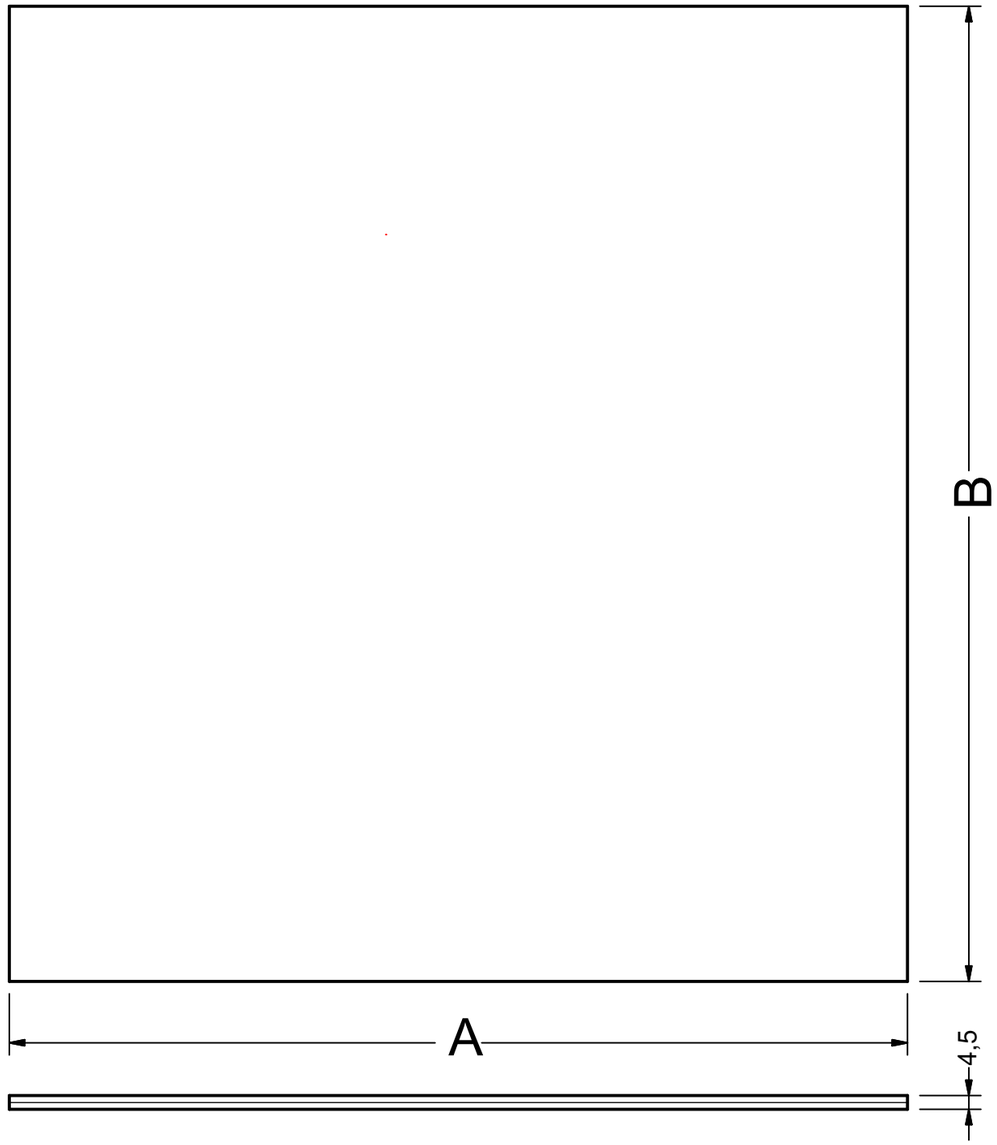

TOP SCHERMO IN VETRO
GLASS SCREEN for TOP

TOP630 Front A= 455 x B= 400 - Lat N°2 A=155 x B=400
TOP780 Front A= 465 x B= 400 - Lat N°2 A=155 x B=400



TOP flat screen

400x500 A= 340 x B=400
500x500 A= 440 x B=400
600x500 A= 540 x B=400



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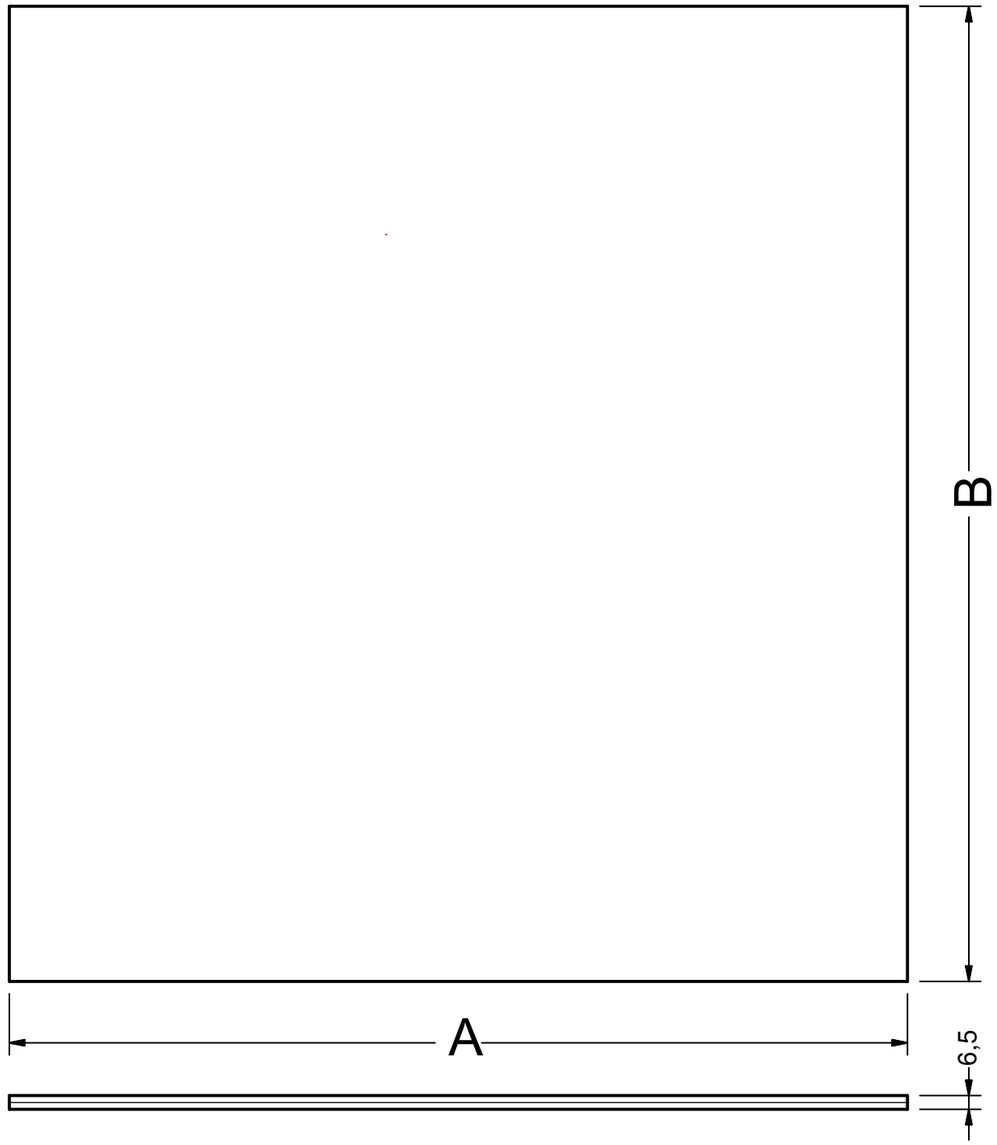

MO SCHERMO IN VETRO
GLASS SCREEN for MO

MO2VSM **MO2LSM**
MO2LCMDS **MO2VCMDS** **MO2LCMA3**

A=227 x B=185



MO3LCMA3 **A=285 x B=337**



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MACHINE GUARDS

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