


BALLISTICS RESISTANT

GLASS



JAIPUR TUFF

Glass! Changing the Perception



JAIPUR TUFF

JAIPUR TUFFEN GLASS INDUSTRIES PVT LTD

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Bullet-Resistant Glass

JAIPUR TUFF BALLISECURE

Ballisecure is a glass clad polycarbonate based bullet - resistant glass specially constructed to defeat the various ballistic threat levels from small firearms to NATO Armor Piercing Rifle.

Ballisecure offers total protection at minimum weight and thickness for easy handling and installation. This anti -ballistic solution also minimized unnecessary maintenance other than the routine day to day maintenance operation carried out on glass. It keeps the out look of your intended glass window or opening and it does not gets puncture or easily scratch as with films.

Ballisecure complies to International Standards. The developed glazing meet or exceed different levels of the ballistic codes of UL-752, NIJ-0108.01, HPW-TP-0500.02 or equivalent EN1063, DIN52290, BS5051, GA165, GOST R50963-96 and AS2343 standards. It is important for the end-user to realize that a complete bullet - resistant glazing system requires **Ballisecure**, correct frames and proper anchorage to supporting structures in order to be functionally effective.

Fields of Application:

Government Buildings

Military Facilities & Armor Vehicles

Financial Institutions

High Commissions & Embassies

Security Counters & Guard House

JAIPUR TUFF **Ballistics-Resistant Glass and International Standards**

Indoor UL 752 Standard for Bullet Resisting Glass

Threat Level	Ammunition	Nominal Bullet Mass, g (grains)	Required Velocity mps (fps)	Our Glass Thickness (mm)	Glass Weight kg/m2	Number of shots
1	Ballisecure 9 mm Full Metal Copper Jacket with Lead Core (I)	8.0 (124)	358 - 394 (1175 - 1293)	21.6	44.24	3
2	.357 Magnum Jacketed Lead Soft Point	10.2 (158)	381 - 419 (1250 - 1375)	22.4	44.78	3
3	.44 Magnum, Lead Semi-Wadcutter Gas Checked	15.6 (240)	411 - 441 (1350 - 1447)	25.4	52.2	3
4	.30-60 Caliber Rifle Leadcore Soft Point	11.7 (180)	774 - 852 (2540 - 2794)	36.4	79.63	1
5	7.62 mm Rifle Lead Core Full Metal Copper Jacket, Military Ball	9.7 (150)	838 - 922 (2750 - 3025)	36.2	78.67	1
6	9 mm Full Metal Copper Jacket with Lead Core	8.0 (124)	427 - 469 (1400 - 1540)	36.5	79.42	5

European Standard EN 1063

Threat Level	Ammunition	Required Velocity mps (fps)	Our Glass Thickness (mm)	Glass Weight kg/m2	Number of shots
BR 4	.44 Magnum	430 - 450 (1411 - 1476)	21.3	41.72	3
BR 6	7.62 x 51 mm (M80)	820 - 840 (2690 - 2755)	39.5	85.92	3

NIJ 0108.01 Ballistic Protective Glass

Threat Level	Ammunition	Nominal Bullet Mass, g (grains)	Required Velocity mps (fps)	Our Glass Thickness (mm)	Glass Weight kg/m ²	Number of shots
I	.22 Long Rifle High Velocity Lead	2.6 (40)	320 ± 12 (1050 ± 40)	11.6	19.92	5
	.38 Special Round Nose Lead	10.2 (158)	259 ± 15 (850 ± 50)			
II-A	.357 Magnum Jacketed Soft Point	10.2 (158)	381 ± 15 (1250 ± 50)	18	33.5	5
	9 mm Full Metal Jacket	8.0 (124)	332 ± 12 (1090 ± 40)			
II	.357 Magnum Jacketed Soft Point	10.2 (158)	425 ± 15 (1395 ± 50)	18	33.5	5
	9 mm Full Metal Jacket	8.0 (124)	358 ± 12 (1175 ± 40)			
III-A	.44 Magnum Lead Semiwadcutter Gas Checked	15.5 (240)	426 ± 15 (1400 ± 50)	21.4	42.2	5
	9 mm Full Metal Jacket	8.0 (124)	426 ± 15 (1400 ± 50)			
III	7.62 mm (.308 Winchester) Full Metal Jacket	9.7 (150)	838 ± 15 (2750 ± 50)	37.9	81.2	5

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