



JlianJ High Security (J-Shield)



+JlianJ High Security (**J-Shield**) is a special polymeric glazing grade of Polycarbonate sheet which is designed, formulated and fabricated by the R&D department of JlianJ Industrial Group for unique Forced Entry applications.

+The highest level security certificate issued by **Prevention Police NAJA IRI** for this novel glazing insure that this product offers maximum protection for so many special applications such as Military areas, Governmental organizations, Banks, Museums, Security vehicles, Exchanges, Jewelry stores, Zoos and etc.

+ **J-Shield** is as transparent as glass with about 300 times more impact resistant than same size of that.

+This Product vouch that in the event of Forced Entry attacks there will be no any "spider web" in the glazing.

+It is worth mentioning that all tests which had performed by the Police, were upper than laboratory standards for instance the weight of blunt tool and Axe based on ASTM F 1233 shall be respectively 5.5 and 3 kg but in the real situation was 8 and 5 kg respectively.

+The Chemical tests in lab standard is Gasoline and Acetone but in the real condition this test was done by Gasoline, Nitric Acid and Sulfuric Acid 98% that the result was resistance of the **J-Shield** sheet against them.

+laboratory condition test required to sequence all kinds tests (Physical, Chemical, Thermal) but in the real circumstances all test was accomplished simultaneously.

+All test was implemented in aflame state of **J-Shield** sheet with Gasoline and also dispensed Sulfuric Acid 98%.

+The Protection Level of Forced Entry of **J-Shield** Sheet is reported at minimum Lab-standard level (Table-1).

+In accordance with certificate issued by **Prevention Police NAJA IRI**, this product is the best and successful alternative for any kind of glass glazing in terms of security and high level protection specially against riot and demonstration.

Table-1 J-Shield Forced Entry Protection and Properties

J-Shield Forced Entry Protection		
Standard	Thickness	Security Class
EN 356 Forced Entry test	10 mm	P7B
ASTM F 1233 Forced Entry test	10 mm	Level 3- 16
HPW TP 0500.02 Forced Entry test	10 mm	Level 3- 16
General Specifications		
Property	Unit	Value
Weight	Kg/m ²	12.0
U-Value	W/m ² K	0.9
Light Transmission	%	88.0
Puncture Maximum Force	N	6700

JlianJ Industrial Group
 No.10- 3th Floor- Melat Tower- Opposite to Melat
 Park- Valiasr Ave- Tehran- Iran
 Tel: +982174616
 Fax: +982122034215
 www.jlianj.com