

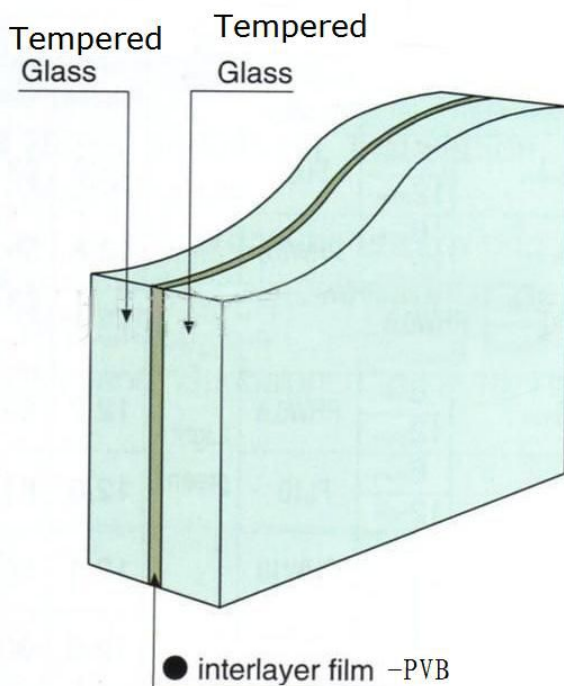
Impact glass

1、Impact glass structure

Laminated glass -Impact glass refers to between two layers of common glass sandwiched into a layer of PVB film to make special glass. Under the strong shock, PVB film can absorb a great deal of impact energy, glass fragments will firmly adhere to the PVB membrane, no broken pieces, making possible damage reduced to a minimum.

At the same time of security characteristics, it also has a good sound insulation, optical, thermal insulation, thermal insulation, prevent mist etc., is the most ideal material of safety glass processing

■ Cross-Section of Laminated Glass



Laminated glass is made up of glass + PVB film + glass.

Our Laminated glass thickness is glass-5mm+PVB-3.04mm+glass-5mm.

(3.04mm film has the best malleability for impact glass)



2.What is PVB.

PVB is Polyvinyl Butyral.

It is made of polyvinyl butyral resin by plasticizer plasticizing forcing molding polymer material, high transparency, heat resistant, cold resistant, resistant to wet and the characteristics of high mechanical strength. This film membrane surface level off, have a good tensile strength and breaking elongation rate, is the best adhesive materials for manufacturing laminated safety glass.

3. Impact Glass Advantage

1st. Safety:

Under the strong shock, the elastic layer has the role to absorb impact, can prevent impact penetration, even if the glass is broken, also can produce spider mesh finely crack, pieces of its strong adhesion on the middle tier, can avoid the glass dropping caused personal injury or property damage.



无碎片

No broken pieces



枪击试验

bullet impact test

2nd. Anti-penetrability:

PVB film is very tough and strong, even if the thief tries to break up the glass, because of the middle layer of glass firmly stick together, still keep glass integrity, make thieves cannot enter indoor for personal and property protection.



无碎片

No broken pieces

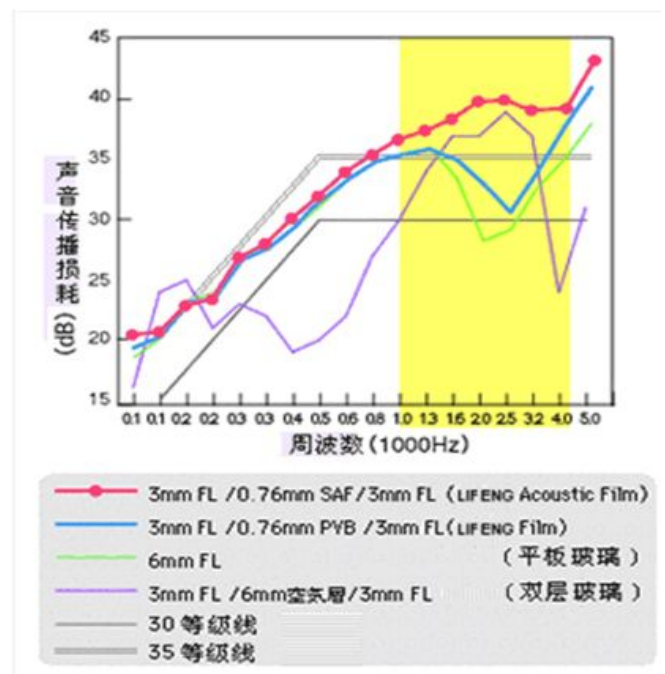


枪击试验

bullet impact test

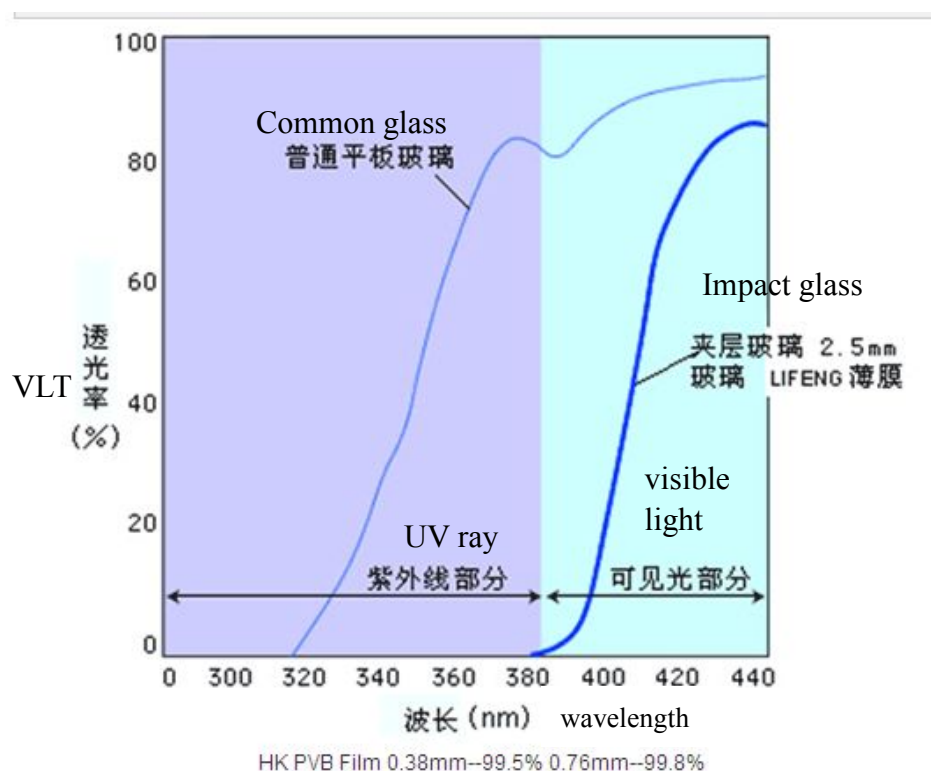
3rd.Acoustical insulation:

Because PVB film of acoustic damping function, the spread of the laminated glass can effectively restrain the noise.



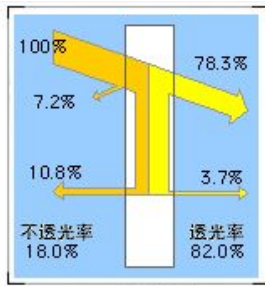
4th.Ultraviolet-proof:

PVB film can absorb more than 99% of the ultraviolet, visible and infrared wavelength spectrum of energy to control heat gain, so that helps to protect precious furniture, wall charts, exhibit or commodities, in order to avoid affected by ultraviolet radiation and fade. Most of the energy is absorbed by radiation and convection conduction outdoor and lost again.

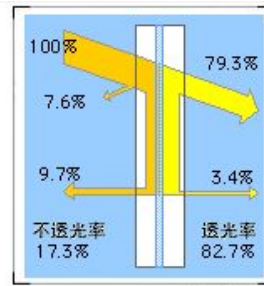


5th.Energy saving property:

Laminated glass can effectively reduce sunlight coming through to save energy.



6mm平板玻璃



HK PVB FILM 0.25mm透明夹层玻璃

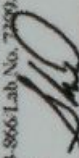
Certified Hurricane Doors

Anti-typhoon certified iron doors for Florida,Louisiana,Texas,Georgia and South Carolina

Anti-typhoon certification is for winds up to 160mph and impacts by both large and small debris.The testing standards include structural design pressure test of 105 pounds per square foot.Each window is subjected to three impacts by a 2x4 wooden stud travelling at 50ft/sec, followed by rapidly changing positive and negative pressures up to 70 psf.

Test standards:1.TAS201-94 2.TAS202-94 3.TAS203-94 4.ASTM E330-02 5.ASTM E1886-05

6.ASTM E1996-09

NOTICE OF PRODUCT CERTIFICATION									
CERTIFICATION NO: N1911942 DATE: 04/28/2014 CERTIFICATION PROGRAM: Structural COMPANY: Donatello CODE: 1987-1	To verify that the "Notice of Product Certification" is valid, please visit www.NAMICertification.com to assure that the product is active and currently listed. This certification represents product conformity to the applicable specification and that certification criteria have been satisfied. A NAMFI approved certification label must be applied to the product to claim certification status. Please review and advise NAMFI if any corrections are required to this document. <table border="1"> <thead> <tr> <th>COMPANY NAME AND ADDRESS</th> <th>PRODUCT DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> Donatello Doors, Inc. 848 North Rainbow Boulevard, Suite 1950 Las Vegas, NV 89107 </td> <td> Inswing Wrought Iron Exterior Side Hinged Door Configuration: XX Glazing: Laminated-1/2" Heat Strengthened Glass/0.118" DuPont Butacite PVB/1/2" Heat Strengthened Glass on 1 1/4" Rein. Patters Anodized/0.118" DuPont Butacite PVB/1/2" Heat Strengthened Glass Frame: W-41953mm(28") H-2876mm(114") Panel: W-937mm(36.88") H-2758mm(109.75") DLO: W-555mm(22") H-2388mm(94") </td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>SPECIFICATION</th> <th>PRODUCT RATING</th> </tr> </thead> <tbody> <tr> <td> ASTM E330-02 ASTM E1886-05/E1996-09 TAS 201/202(Loads)/203-94 </td> <td> Design Pressure: +75/-75 psf Wind Zone 4-Missile Level D Large Missile Impact Rated </td> </tr> </tbody> </table> Product Tested By: Fenestration Testing Laboratory, Inc. Report No: File Number 13-866 Lab No. 7209/Project-13-4557 Expiration Date: April 30, 2017 Administrator's Signature:  NATIONAL ACCREDITATION AND MANAGEMENT INSTITUTE, INC. 4794 George Washington Memorial Highway Hayes, VA 23072 Tel: (804) 684-5124 Fax: (804) 684-5122	COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION	Donatello Doors, Inc. 848 North Rainbow Boulevard, Suite 1950 Las Vegas, NV 89107	Inswing Wrought Iron Exterior Side Hinged Door Configuration: XX Glazing: Laminated-1/2" Heat Strengthened Glass/0.118" DuPont Butacite PVB/1/2" Heat Strengthened Glass on 1 1/4" Rein. Patters Anodized/0.118" DuPont Butacite PVB/1/2" Heat Strengthened Glass Frame: W-41953mm(28") H-2876mm(114") Panel: W-937mm(36.88") H-2758mm(109.75") DLO: W-555mm(22") H-2388mm(94")	SPECIFICATION	PRODUCT RATING	ASTM E330-02 ASTM E1886-05/E1996-09 TAS 201/202(Loads)/203-94	Design Pressure: +75/-75 psf Wind Zone 4-Missile Level D Large Missile Impact Rated
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