

## 13.14mm safety clear toughened laminated glass cut to size, 6+6mm +1.14mm tempered laminated glass sheet, laminated tempered glass in china

### About tempered glass and laminated glass

13.14mm safety clear toughened laminated glass is consist of two 6mm tempered glass together with interlayer film PVB/EVA. Tempered glass is heating annealed glass to over 600°C and cooling it rapidly, which locks the outer surfaces of the glass in a state of high compression, it is a safety glass which is used when strength is required. Laminated glass is processed with special technology under high temperature and high pressure by adding one or more layers of polyvinyl butyral (PVB) or ethylene vinyl acetate (EVA) with tough and strong binding between or among two or more glass sheets.

### Characteristics of clear toughened laminated glass

**Excellent safety:** the tempered laminated glass are bound by interlayer, can stop external force attack, even glass broke, the chips will not fall down, avoiding harm to person.

**Energy efficiency:** stop the transmission of solar heat and reduce cooling loads.

**Defense hurricane and strong** cyclone and bullets resistance. It is stronger 5 times than common glass.

**Excellent sound control and noise reduction performance.**



### Specification

Glass composition: 6mm clear tempered glass +6mm clear toughened glass +1.14 pvb/eva

Glass type: tempered glass, laminated glass

Maximum size: 3300\*8000mm, Minimum size: 150\*300mm, custom cut to size

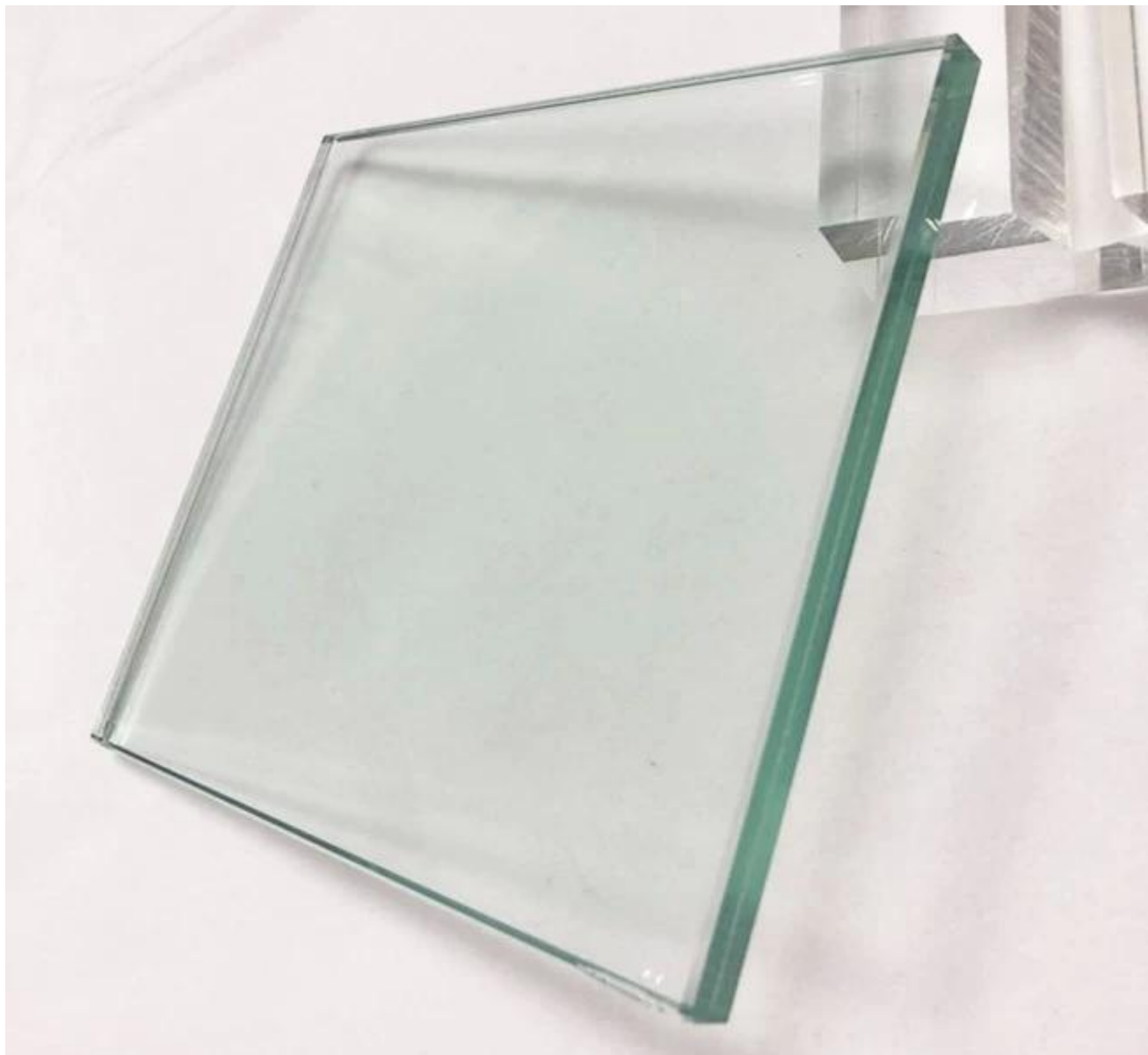
Interlayer: 1.14mm PVB / EVA

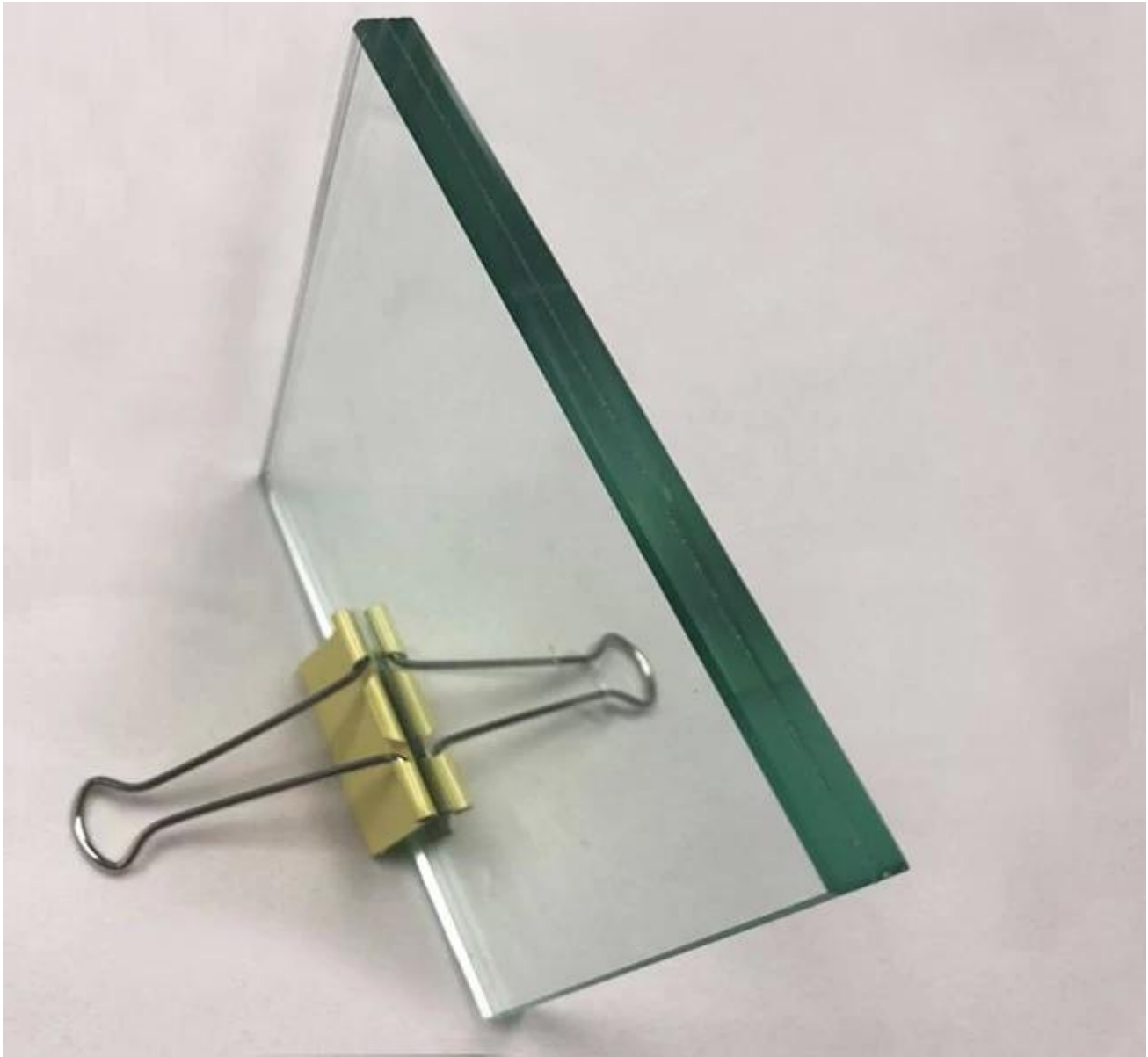
Interlayer color: red, white, yellow, any pantone color

### Compare to 6+6mm tempered glass and 12mm single tempered glass

	6+6mm tempered laminated glass	12mm single tempered glass
Strong	Inter-layers of the laminated glass ,1 layer,2 layers,3 layers and more layers. More strong.	Have no inter- layers , shock resistance strong 5-10 times more than common glass.
Safety	More safety, When it broken, it adsorbed on PVB inter-layers glass surface, and not drop out.	Relatively safe, when it broken,, the splinters are small will drop out but not harm to person.
Sound Insulation	PVB film can effectively prevent sound wave	12mm single tempered glass sound insulation less than laminated glass
Anti-UV:	Laminated glass can effectively present UV.	12mm single tempered glass anti- UV less than laminated glass

### The sample of tempered laminated glass





### **Applications**

Windows, Skylights, Floors and stairs, Facades and curtain walls, Railings and balustrades, Any other places of high security required.





**Processing of toughened laminated glass**

1. Cutting procedure → 2. grinding edges processing → tempered glass heat strengthened



4. Heat soak testing →



5. dust-free constant temperature humidity



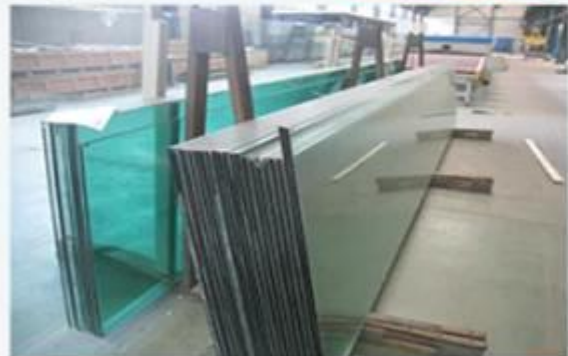
7. Autoclave ←



6. laminated glass product line ←



8. large glass come out →



9. packing

