5+5mm solar control low-e laminated safety glass

Introduction
5+5mm low-e laminated safety glass, it is made from one piece 5mm clear glass or 5mm low iron glass and one piece 5mm low-e glass with PVB or SGP interlayer. The 5mm glass can be normal float glass, also can be safety tempered glass, with different composition and processing, could reach different performance, but all of them is low radiation solar control energy efficiency glass.

Specifications
Composition: 5mm clear float glass (5mm low iron float glass) + 0.38mm clear PVB + 5mm Low emissivity glass (5mm low-e glass), 5mm colorless toughened glass (5mm low iron toughened glass) + 5mm low-e tempered glass with different layers PVB or SGP as per project requirement

Thickness: 10.38mm, 10.76mm, 11.14mm, 11.52mm, etc.

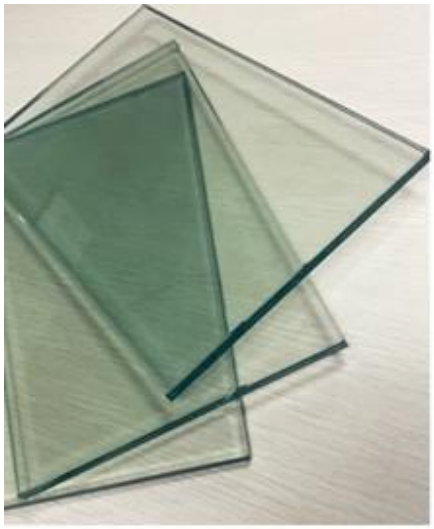
Size: 1830x2440mm, 2140x3300mm, 2140x3660mm, 2250x3300mm, 2250x3660mm, any customized size could be produced

Processing: custom cut size, drill holes, cut notches, polished edges, flat and curved, etc.

Features
The low-e laminated glass has the advantages of both low-e glass and laminated glass, so it is high security glass and high thermal performance glass, but different composition low-e laminated glass, will have different performance, such as:

• Ultra clear low-e laminated glass has much higher light transparency than normal clear low-e laminated glass, could make sure high level of visible light transmittance when reducing solar heat radiation.

• Low-e tempered laminated glass is 3-5 times stronger than low-e float laminated glass, could perfectly resist bending and hitting, and greatly reduce the risk of thermal breakage.

• SGP low-e laminated glass is five times stronger and up to 100 times stiffer than PVB low-e laminated glass, and when broken, the SGP laminated glass is still stand up, but the PVB laminated glass is fell down.

Application
Based on the high performance, the low-e laminated glass is widely used as window glass, exterior wall glass, skylight glass, roof glass, canopy glass, etc.