

# 6+6mm solar control energy efficiency low-e laminated safety glass

## Introduction

Low-E glass as an Energy saving glass, been designed for laminated glass unit will be under a greater U-value and poorer thermal insulating capability. Low-E laminated glass can made by one panel of 6mm low iron float glass or 6mm clear float glass and a piece 6mm Low- E glass bonded with PVB or SGP interlayer film. If need more safety, can be choose tempered safety glass, no matter which composition, all of them are low radiation solar control energy efficiency glass

## Low E laminated safety glass specifications:

**composition:**clear float glass(low iron float glass)+PVB/SGP +Low e emissivity glass

clear toughened glass(6mm low iron toughened glass)+PVB/SGP +Low e tempered glass

**Thickness:** 12.38mm 12.76mm 13.14mm 13.52mm

**Processing:** cut to size, drilling holes, cutout, tempered, polished edge, curved/hot bent.

## Low e laminated glass options:

Clear low-e laminated glass

Low iron low-e laminated glass

Low-e tempered laminated glass

PVB Low-e laminated glass

SGP Low-e laminated glass

## How to choose low e laminated glass?

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 VS normal clear low-e laminated glass

If you need more much higher light transparency, then choose Ultra clear low-e laminated glass, could make sure high level of visible light transmittance when reducing solar heat radiation.

### • Low-e tempered laminated glass VS low-e float laminated glass

If your would more safety , then choose low-e toughened laminated glass, its 3-5 times stronger than normal laminated glass , could perfectly resist bending and hitting, and greatly reduce the risk of thermal breakage.

### • SGP low-e laminated glass VS PVB low-e laminated glass

If you need more stronger safety, the best choose is SGP low-e laminated glass, cause of its five times stronger and up to 100 times stiffer tha, 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, glass curtain wall , skylight glass, roof glass, canopy glass, etc.

