

# Cut into size 8mm euro grey tempered glass, furniture grey toughened glass manufacturer

## 8mm euro grey tempered glass definitions:

8mm euro grey tempered glass is used [8mm euro grey annealed glass](#) heated to a temperature near its softening point and forced to cool rapidly under carefully controlled conditions is described as "heat-treated glass." The heat treating process produces highly desirable conditions of induced stress which result in additional strength, resistance to thermal stress, and impact resistance. In the "heat-treatment" process the key procedure is application of a rapid air quench immediately upon withdrawal of hot (approx. 1200° F) glass from the "tempering furnace."

## 8mm euro grey tempered glass characteristic:

The same feature as tinted glass:

low UV transmittance rate and good sunshade efficiency, protecting furniture and furnishings from fading. Reducing solar glare and heat transmission, provides varied degrees of solar control and energy saving.

Safety:

Safety comes from strength and from a unique fracture pattern. Strength, which effectively resists wind pressure and impact, provides safety in many applications. When tempered glass breaks the glass fractures into small, relatively harmless fragments. This phenomenon markedly reduces the likelihood of injury to people as there are no jagged edges or sharp shards.

Strength:

Under wind pressure, tempered glass is approximately four times as strong as annealed glass. It resists breakage by small missiles traveling approximately twice as fast as missiles which break annealed glass. Tempered glass is also able to resist temperature differences (200° F - 300° F) which would cause annealed glass to crack.

Heat stability:

In the "heat-treatment" process, quenched condition becomes stable when the glass is reduced to a temperature of approximately 350°C. It results the tempered glass is capable of withstanding a temperature change of 250 to 320°C while normal annealed glass can only bear 20 to 100°C.

Tinted tempered glass specification:

Size: custom size, Maximum 3000\*8000mm, Minimum 150\*300mm

Thickness: 3mm 4mm 5mm 6mm 8mm 10mm 12mm 15mm 19mm

Color: F-green, dark green, ford blue, dark blue, euro grey, dark grey (black), euro bronze, dark bronze etc.

Processing: All the processing like beveling, cutting, drilling, etc. must be done before tempering.

## Tempered glass quality:

1. Meet standards ISO, CCC, CE, certification.
2. High strength and puer clean surface. Select 40% of high quality clear glass for tempering.
3. Superior work on edge treatment, cutout, drilling holes.
4. Strong multi-layer wooden board crate package.

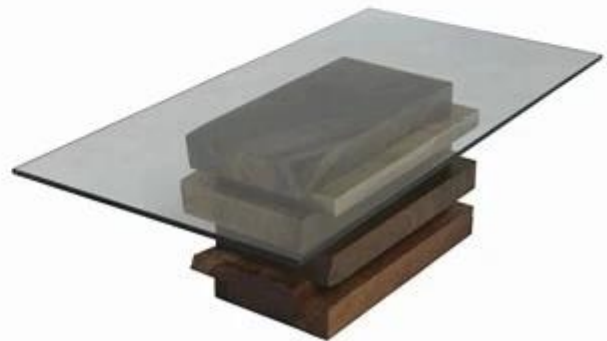
**8mm euro grey tempered glass application:**

Because of its high resistance to thermal stresses and small missile impact, tempered glass can process into [tempered insulated glass](#) used in skylights and curtain wall glazing.

Tempered glass is flat and high strength, it can process into [tempered laminated glass](#) for higher security level.

Tempered laminated glass is the best safety.

8mm light grey toughened glass single used for doors, shower screen, windows, stairway balustrade, enclosures, canopy etc





**8mm light grey tempered glass:**



**Tempered glass strong packing and safety loading**

