Customized size semi-tempered glass

What's the semi-tempered glass?

Semi-tempered glass, also called heat strengthened glass, half tempered glass, compared withtempered (ESG) glass, half toughened glass is also heat rapidly and evenly to atemperature above 600°C, but the cooling process is not the same as theintroduction of cold air is carried out in a significantly different manner. Flexile strength and resistance to temperature differences of semi-temperedglass are somewhere between those of ordinary float glass and tempered(ESG) glass. The structure after fracture is equal to the ordinary float glass.

The features of heatstrengthened glass

1.Glassthickness: 3mm heat strengthened glass, 4mm heat treated glass, 5mm halftempered glass, 6mm half toughened glass, 8mm semi-tempered glass, 10mm heatstrengthened glass, <u>12mm heat</u> <u>strengthened glass</u>, 15mm half tempered glass, 19mm semi-toughened glass

2.Glass size:max size 3300x8000mm, mini size 150x300mm

3. Glasscolor: clear, ultra clear, bronze, blue, green, grey, acid etched, sandblasting, etc.

4.Specialprocessing: drill holes, cutout, polished edge, logo printing, etc. all need tobe done before heat treated.

Know more about heat-strengthened glass and fullytempered glass

- No matter half tempered glass or full tempered glass, special processing like cutting, hole-drilling, notching or edge workingbefore heat-treated.

- Heat strengthened glass is about twice as stronger asannealed glass. full tempered glass is 4-5 times stronger than half temperedglass.

- Cooled rapidly, to be full tempered safety glass. Slowercooling produces heat-strengthened glass.

- Safety: tempered glass is the safety glass, it will shattersinto tiny particles, reducing the potential for serious injury;

Thoughheat-strengthened glass may meet requirements for wind, snow and thermal loads,but fractures into larger, and sharper pieces.

- Lamination for consideration. Laminated interlayer, required for overhead glazing, can be used with annealed, heat-strengthened or tempered glass to combine several safety advantages into a single glazing solution, like annealed laminated glass, <u>heat strengthened laminated glass</u> and tempered laminated glass.Widely used for the places where safety glazing requirements.

- Heat strengthened glass is far less susceptible tospontaneous breakage;



The applications of semi-tempered glass

Heat strengthened glass is widely used in laminated glass foradditional strength, for instance, in overhead and sloped glazing; or to bemade as <u>half tempered insulated glass</u>, used for window, facades, and so on.





