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PRODUCTS OR MACHINERY

Know your toughened glass...

The toughened glass is a type of safety glass, which is produced in such a way that firstly, the common annealed glass is cut into the required size sheets in the ultra-thin or ultra-large sheet full automatic line, then heated to about 700°C to generate compressive stress on its surface, and finally its surface is evenly quenched to result in a secondary crystallization.

It can be divided into two types depending on the degree of heat treatment: heat-strengthened glass and fully tempered glass. The level of breakage of the heat-strengthened glass from the outside impact is similar to that of annealed flat glass but the strength coefficient is twice higher. Fully tempered glass has an impact strength which is 5 times higher than that of the same thickness.

Applications of Toughened Glass

Toughened Glass is the best choice for areas where safety is the highest consideration. Some of the areas where toughened glass is commonly used are :

- Window Panes of Automobiles
- Glass Roofs / Skylights
- Glass Doors and Windows
- Conservatories
- Balconies
- French doors and Patio doors
- Furniture and Shelves
- Glass Staircase
- Partitions
- Canopies

Company Profile of **HardGlass Industries Pvt Ltd**

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