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Indirizzo	<b>HardGlass Industries Pvt Ltd</b> M37, MIDC Talaja, Dist: Raigad, 410 208, Maharashtra
Nazione	India

## PRODOTTI O MACCHINARI

### 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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