



Technical Data Sheet - GlasShield™ (FGTDS-IS-08)

GlasShield is a fully tempered (also called toughened or fully toughened) glass that is manufactured in one of two electric horizontal roller-hearth tempering lines. Both lines are equipped with a high-powered top-and-bottom convection heating system that enables heat-treatment of the most advanced coatings available in the market. Along with this the machines are equipped with an advanced and precise cooling (or quenching) system to ensure minimum levels of iridescence and very high glass flatness.

TECHNICAL SPECIFICATIONS

| Description | Levels |
|------------------------------|---|
| Process Type | Horizontal Roller-Hearth Convection Furnace |
| Glass Type | Clear, extra clear, ultra clear, tinted, solar-control coated, low-E coated |
| Glass Thickness | 3.50 mm to 25.00 mm |
| Edge Type | Rough grind, arrissed, super polished |
| Compressive Stress (Edge) | 67 MPa (9,700 Psi) minimum |
| Compressive Stress (Surface) | 69 MPa (10,000 Psi) minimum |

DIMENSIONS

| Description | Levels |
|--------------|--|
| Minimum Size | 200 mm X 300 mm |
| Maximum Size | 2440 mm X 3600 mm (4.00 mm and 5.00 mm) 3000 mm X 5100 mm (6.00 mm) 3000 mm X 6000 mm (8.00 to 19.00 mm) |

UNIQUE SELLING POINTS

| Description | Levels |
|-----------------|---|
| Heating System | Top-and-bottom forced turbo-charged convection system |
| Heating Control | Heat-scanner with precise measurement points |
| Cooling Type | 200 mm X 300 mm |