

TECHNICAL DATA SHEET GLASSHIELD (FGTDS-FS-01)



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 Types	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
	2440 mm X 3600 mm (4.00 mm and 5.00 mm)
Maximum Size	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	Dual-oscillating quenching