



ISO 9001:2008  
FM 39391

## Quality Certificate

Product Name:	Ultra Mirror - 5mm		
Quality Standards:	CASS (Copper Accelerated Acetic Acid Salt Spray) test; ISO 9227 NSS (Neutral Salt Spray) test; ISO 9227 Condensation water test; EN 1036 Ferric Chloride Immersion test Ammonia Resistance test Cross-Cut test; ISO 2409		
Quality Properties:	CASS test	=	100-200 microns
	Black Edge Corrosion	=	75 microns
	Ferric Chloride Resistance	=	100 microns/24hrs
	Ammonia Resistance	=	No Failure
	Reflectance (luminous coefficient)	=	> 83%
	Rub test	=	> 100 strokes
	Cross Hatch	=	Max. 2
Specification:	Produced as per ASTM C 1503-01 Copper Free Mirror - User friendly Coated with double layers of organic anti-corrosive paint (base = Red color, top = Blue color) with manufacturing logo Paint thickness = 42-52 microns Palladium and GMP layers		
Glass Specification:	Produced as per JIS standards		
	Thickness range	=	+ / - 0.3 MM
	Size tolerance	=	+ / - 2 mm
	Glass Transmission	=	70-75%
	Approximate Glass Comp.	=	SiO <sub>2</sub> 71.6%
			Na <sub>2</sub> O 14.4%
			CaO 9.2%
			MgO 4.0%
			Al <sub>2</sub> O <sub>3</sub> 0.4%
			K <sub>2</sub> O 0.05%
			SO <sub>3</sub> 0.2%
			TiO <sub>2</sub> 0.05%
			Fe <sub>2</sub> O <sub>3</sub> 0.05%

Authorized signatory

For Saudi Guardian International Float Glass Company Limited  
Al-Jubail - Kingdom of Saudi Arabia