

Custom Glass Panel Performance Test Report

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Test Instrument Inventory

Coordinate measuring machine, optical flatness interferometer, UV-Vis-NIR spectrometer, thermal cycling environmental chamber, surface roughness tester, automated visual defect inspection station, impact resistance tester (tempered variants)

Typical Evaluation Items

- Linear dimensional deviation (length, width, thickness)
- Surface flatness and parallelism error
- UV-visible spectral transmittance curve measurement (fused silica grades)
- Thermal cycle structural stability assessment
- Surface scratch, inclusion and blemish screening
- Coating uniformity, abrasion and fingerprint resistance
- Tempered glass impact & thermal shock resistance (tempered substrates)
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Test Conclusion

Representative production samples were evaluated according to internal QC procedures aligned with common industrial inspection practices and applicable customer project specifications. Full batch raw test datasets can be delivered to clients upon formal written request.

The information contained in this document is provided for reference only. Final specifications are subject to mutually approved engineering drawings, production capability review, and customer project requirements.

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