

Display-Cover-Glass-Datasheet.pdf

Felix Glass Functional & Display Cover Glass Datasheet

Product Overview

Custom industrial cover glass, touch panel glass and conductive ITO glass for medical, industrial control, smart home, automotive and wearable display devices. Available with AG anti-glare, AR anti-reflection, AF anti-fingerprint composite coating.

Glass Substrate Selection Table

Substrate Type	Thickness Range	Hardness	Core Advantage	Typical Application
Soda Lime Glass	0.7 - 5mm	Standard	Low cost, good silk screen performance	Household appliance touch panel
Aluminosilicate Glass	0.5 - 3mm	High	Anti-drop, scratch resistant	Medical equipment, outdoor industrial screen
Ultra-thin Borosilicate Glass	0.2 - 1.1 mm	Medium-High	Low thermal expansion, high transmittance	Precision instrument display, wearable watch lens

Functional Coating Specs

1. AG Anti-Glare: Haze value 5%–30% customizable, eliminate mirror reflection under strong light
2. AR Anti-Reflection: Single-side reflectance $\leq 0.8\%$, total light transmittance $\geq 92\%$
3. AF Anti-Fingerprint: Water contact angle $\geq 110^\circ$, oil repellent, easy cleaning
4. ITO Conductive Coating: Sheet resistance 10–1000 Ω /sq for capacitive touch control

Custom Machining Capacity

Max blank size: 1200×1800mm, minimum size 10×10mm Tolerance: Dimension $\pm 0.02\text{mm}$, thickness $\pm 0.01\text{mm}$ Processing: CNC cutting, hole punching, chamfer polishing, curved edge, partial masking coating, custom silk screen printing Temperature resistance: $-40^\circ\text{C} \sim +120^\circ\text{C}$ for automotive grade

Quality Standard

ISO 9001, RoHS compliant. All finished glass pass hardness test, transmittance spectrometer inspection and surface scratch full check. Contact:

james@felixglass.com for custom drawing quotation

