

# Felix Glass Touch Panel Glass Technical Datasheet

## Product Introduction

Custom capacitive touch panel glass and ITO conductive touch substrate for medical, industrial, automotive and consumer electronics touch display systems, matched with AG/AR/AF multi-functional optical coatings.

## Substrate Parameter Table

Material Type	Thickness	Hardness	Feature	Typical Application
Soda Lime Glass	0.7 - 5mm	Standard	Low cost, good	screen printing Household appliance touch panel
Aluminosilicate Glass	0.5 - 3mm	High	Anti-scratch, impact resistant	Medical & outdoor industrial touch screen
Ultra-thin Borosilicate Glass	0.2 - 1.1mm	Medium-High	Low thermal expansion, stable touch signal	Wearable touch lens

## Coating Performance Index

1. AG Anti-Glare: Haze adjustable 5%~30%, no image distortion
2. AR Anti-Reflection: Single surface reflectance  $\leq 0.8\%$ , total transmittance  $\geq 92\%$
3. AF Anti-Fingerprint: Water contact angle  $\geq 110^\circ$ , withstand over 10,000 wiping cycles
4. ITO Conductive Layer: Sheet resistance range 10 - 1000  $\Omega$  /sq, stable capacitive sensing

## Machining Standard

Tolerance  $\pm 0.02\text{mm}$  dimension, chamfer 0.3 - 2mm optional, customizable holes, cutouts and silk screen printing.

Operating temperature range:  $-40^\circ\text{C} \sim +120^\circ\text{C}$ .

Quality standard: ISO 9001 & RoHS compliance.

Contact: james@felixglass.com for custom quotation