

Appliance & Smart Glass Datasheet

Document No. : FG-ASG-001 | Rev.1.0 | 2026 Felix Glass provides custom tempered and processed glass panels for household appliances, smart home terminals and intelligent consumer devices. Custom sizing, printing and surface finishing services are available for industrial and commercial appliance integration.

Typical Manufacturing Capability

- Base Material Options: Soda-lime tempered glass, ultra-thin float glass, low-iron clear glass
- Dimension Range Minimum size: 20 mm × 20 mm Maximum size: 1800 mm × 2500 mm
- Thickness Range: 2 mm – 15 mm
- Edge Finish: Full round edge / fine polished edge / safety chamfered edge
- Dimensional Tolerance: Controlled per customer engineering drawings
- Surface & Decorative Treatment: Silk screen printing, frosted etching, AF anti-fingerprint coating, anti-glare finishing
- Secondary Machining: Hole cutting, notch processing, contour shaping, corner rounding

Core Specification - Typical Grade Classification

1.

Ultra-thin Smart Touch Glass Lightweight substrates suitable for low-profile smart home touch control terminals.

2.

Silk-screen Printed Appliance Glass Custom pattern and color printing for appliance panel decoration and hidden interface design.

3.

Tempered Safety Appliance Glass Offers improved mechanical strength and impact resistance compared with ordinary float glass.

4.

Low-iron High-clarity Glass Provides consistent light transmittance for display-hidden intelligent appliance structures.

Performance Notes

- Mechanical performance: Tempered grades deliver enhanced structural stability for daily household friction and impact environments.
- Decorative performance: Printing and frosting effects vary according to custom process design.
- Service durability: Long-term performance depends on surface coating type, installation method and indoor operating conditions.

Application Classification

Primary Core Applications

- Smart home touch control panels and intelligent switch interfaces
- Household appliance decorative & functional front panels
-

Secondary Industrial Applications

- Kitchen equipment transparent covers and isolation panels
- Intelligent bathroom terminal glass surfaces
- Household small appliance display and touch windows
- Commercial intelligent terminal decorative glass substrates

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.