

# PRIVASEE®

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## ARCHITECT SPECIFICATION SHEET

PDLC Smart Glass · SG-01 + LG-01 + LG-AC

CSI 08 87 23 ready · BIM in development · drop-in spec clauses for project Bills.

DOCUMENT CODE

**SPEC-01 · Rev 1.0**

ISSUED · 2026-05-06 CLASSIFICATION · INTERNAL DRAFT

# 01 About this Specification Sheet

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This document is the architect-friendly per-project specification reference for PRIVASEE® smart glass. Use it to: (a) select the right product (SG-01 / LG-01 / LG-AC); (b) drop a CSI 08 87 23 specification clause into your project Bill; (c) attach a 1-page architect data sheet to the M&E set. Per-product deep technical detail is in TEC-02 SG-01 Master Document and equivalents.

## 02 Product Selector for Architects

DESIGN BRIEF	RECOMMENDED PRODUCT	WHY
Standard architectural privacy glazing	SG-01	Best price / performance · widest spec
Privacy + impact / safety rating	LG-01	Class 1B impact rating (BS EN 12600)
Privacy + acoustic treatment	LG-AC	Single product handles both — Rw 34–48 dB
Privacy + sealed unit IGU	SG-01 inside IGU (factory)	PRIVASEE supplies the laminated PDLC pane; IGU fabricator combines
Curved / bent glazing	Not currently in standard catalogue	Bespoke quote · subject to feasibility study

## 03 CSI 08 87 23 Spec Clause — Drop-in

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### DIVISION 08 87 23 – SWITCHABLE PRIVACY GLAZING (PDLC)

#### PART 1 GENERAL

##### 1.01 SUMMARY

A. Provide PDLC switchable privacy glazing system as specified herein, complete with low-voltage AC power drive, control interface, and accessories.

##### 1.02 SUBMITTALS

- A. Product data: manufacturer's data sheets for each product type.
- B. Shop drawings: indicate panel sizes, busbar locations, drive locations, and circuit routing.
- C. Samples: A6 sample of each PDLC product type for architect approval.
- D. Test reports: independent acoustic  $R_w$  test (LG-AC) per BS EN ISO 717-1.
- E. Warranty documentation: manufacturer's warranty and registration form.

#### PART 2 PRODUCTS

##### 2.01 MANUFACTURER

- A. PRIVASEE® Group, Sandbach, UK · info@privasee.uk · privaseegroup.com.

##### 2.02 PRODUCTS

- A. SG-01 Standard Smart Glass: 6 + 0.8 + 0.4 + 0.8 + 6 mm (14.0 nominal · 13.82 measured) low-iron laminated PDLC · CE / UKCA marked · BS EN 14449 compliant.
- B. LG-01 Laminated Safety: per data sheet, Class 1B impact rating (BS EN 12600).
- C. LG-AC Acoustic: per data sheet,  $R_w$  range 34–48 dB per build-up.
- D. Power Drive: PRIVASEE PJ-D, DZD-NO, or DZ6L per project HA / dimming requirement; see PVS-SGS-CAT-PD-01 Power Drive Catalogue for selection.

#### PART 3 EXECUTION

##### 3.01 INSTALLATION

- A. Install per manufacturer's TEC-07 Smart Glass Installation Manual.
- B. Frame seal: TOSSEAL 381 silicone only – other silicones void warranty.
- C. Electrical: drive installation by licensed electrician per IEC 60364.
- D. Cleaning: Isopropyl Rubbing Alcohol 70 % only – no ammonia, acidic, alkaline, solvent, abrasive or direct-spray cleaners.

## 04 Architect 1-page Data Card — SG-01 (template)

### PRIVASEE SG-01

Standard Switchable Smart Glass

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<b>Build-up</b>	6 + 0.8 + 0.4 + 0.8 + 6 mm (nominal 14.0 · measured 13.82)
<b>Substrate</b>	Low-iron tempered glass
<b>PDLC</b>	FM-T91 16 µm Premium grade
<b>Interlayer</b>	EVA 0.8 mm regular grade × 2
<b>VLT clear / opaque</b>	≥ 75 % / ≤ 5 %
<b>Switching speed</b>	< 0.5 s
<b>Max single panel</b>	2.2 × 3.6 m
<b>Operating temp</b>	-20 °C to +60 °C
<b>Power consumption</b>	≈ 5 W / m <sup>2</sup> active
<b>Approvals</b>	CE · UKCA · BS EN 14449
<b>Power drive</b>	PRIVASEE PJ-D / DZD-NO / DZ6L (see catalogue)
<b>Warranty</b>	24 months drive · 24 months panel
<b>Lead time UK / GCC</b>	8–12 wk / 10–16 wk

REFERENCE DRAWINGS — DWG / IFC objects: [bim@privasee.uk](mailto:bim@privasee.uk) · BIM Revit families late 2026.

## 05 Architect Submission Checklist

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- Product selected from selector matrix (SG-01 / LG-01 / LG-AC)
- CSI 08 87 23 spec clause inserted in project Bill (Section 03 above)
- Architect 1-page data card attached to M&E set
- Power drive family selected from Catalogue PVS-SGS-CAT-PD-01
- TOSSEAL 381 silicone specified in frame-seal clause
- IPA 70 % cleaning specified in maintenance schedule
- Sample requested from PRIVASEE for architect approval
- Acoustic test report attached (LG-AC projects only)
- Warranty registration plan in O&M manual

## 06 PRIVASEE Architect Hotline & Resources

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PRIVASEE Group · Sandbach, England · UK  
Architect support: [bim@privasee.uk](mailto:bim@privasee.uk) · +44 7729 534416  
GCC support: S O R S Reflective LLC · UAE  
Web: [privaseegroup.com](http://privaseegroup.com)

### DOWNLOADS & PARTNERS

TEC-02 SG-01 Master Document (full technical spec)  
PVS-SGS-CAT-PD-01 Power Drive Catalogue  
QUA-01a/b Warranty  
TEC-11a/b Maintenance  
BIM / Revit families: in development · DWG blocks today

## 07 Revision History

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REV	DATE	AUTHOR	CHANGE NOTES
1.0	2026-05-06	Claude (PRIVASEE AI)	Initial issue — Architect Spec Sheet. 8 pp PPTX A4 portrait. CSI 08 87 23 clause drafted from TEC-02 SG-01 source. Pending: founder review of CSI clause wording before issue to architects.

**END OF ARCHITECT SPEC SHEET**