

Standard Smart Film 12 µm — Non-Adhesive (Laminated)*Standard grade · 12 µm · for autoclave lamination · max width 2.2 m*

Doc code: PVS-SGS-DAT-FM-T91-12-N_Quick · Rev 1.0 · Issued 2026-05-06 · Classification INTERNAL DRAFT

TECHNICAL SPECIFICATIONS

PDLC GRADE	T91 series
FILM THICKNESS	12 µm
TYPE	Non-Adhesive (Laminated)
MAX WIDTH	2.2 m (LP-001 verbatim)
VLT — CLEAR	≥ 75 %
VLT — OPAQUE	≤ 5 %
HAZE — CLEAR	≤ 6 %
SWITCHING SPEED	< 0.5 s
POWER CONSUMPTION	≈ 5 W / m ² active
OPERATING TEMP	-20 °C to +60 °C
UV STABILITY	≥ 5 years stability
APPROVALS	CE · UKCA · drive: IEC 60364 wiring
WARRANTY	24 months film + drive · 12 months remote

TYPICAL APPLICATIONS

Standard new-build laminated smart glass · volume hospitality · clinic glazing · commercial fit-out feature glass.

NOTES

- [VERIFY] markers identify supplier-quoted values not yet independently re-tested by PRIVASEE.
- PDLC operates with low-voltage AC. Never connect to DC mains. (LP-002)
- TOSSEAL 381 is the only approved silicone for PRIVASEE installations. (LP-003)
- For comparative selection across the FM family, see TEC-01a Smart Film Master.
- Pair with a PRIVASEE Power Drive — see Power Drive Catalogue PVS-SGS-CAT-PD-01 for selection.