

Premium Smart Film 16 µm — Adhesive (Retrofit)

Premium grade · 16 µm thick · self-adhesive · max width 1.8 m

Doc code: PVS-SGS-DAT-FM-T91-16-A_Detailed · Rev 1.0 · Issued 2026-05-06 · Classification INTERNAL DRAFT

TECHNICAL SPECIFICATIONS — DETAILED

PDLC GRADE	T91 series
FILM THICKNESS	16 µm
TYPE	Adhesive (Retrofit)
MAX WIDTH	1.8 m (LP-001 with SKU-specific cap)
VLT — CLEAR	≥ 78 %
VLT — OPAQUE	≤ 5 %
HAZE — CLEAR	≤ 5 %
SWITCHING SPEED	< 0.5 s
POWER CONSUMPTION	≈ 5 W / m ² active
OPERATING TEMP	-20 °C to +60 °C
UV STABILITY	≥ 7 years stability
APPROVALS	CE · UKCA · drive: IEC 60364 wiring
WARRANTY	24 months film + drive · 12 months remote
CONTRAST RATIO	≥ 15:1 typical
VIEWING ANGLE	± 30° from normal at maintained transparency
FILM CONSTRUCTION	PET / ITO / PDLC / ITO / PET (5-layer)
DRIVE COMPATIBILITY	PRIVASEE PJ-C · PJ-D · LD-A · DZD-NO · DZ6L · CZ — see Power Drive Catalogue PVS-SGS-CAT-PD-01
BUSBAR TYPE	Copper tape with conductive adhesive · pigtail length 100–150 mm at order
ENVIRONMENTAL	Low-VOC manufacture · RoHS compliant · REACH compliant
FIRE RATING	Class 2 surface spread of flame (BS 476 Pt 7) [VERIFY]
STORAGE	5–35 °C · sealed roll · max 12 months · keep flat or roll-down
ROLLED PACKAGING	On 76 mm core · UV-blocking sleeve · double-cardboard end caps

TYPICAL APPLICATIONS

Premium retrofit projects · executive offices · luxury residential · hotel guest rooms · clinical consultation rooms.

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.