

PVC-Free Fire-Rated Interior Film — Technical data sheet — installation & handling

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Product data

Material	Polyolefin PP/PET (PVC-free)
Thickness	0.15 mm
Width	1,220 mm
Structure	4-layer with metal fire-safety layer
Fire grade	Quasi-non-combustible (KFI, KS F ISO 5660-1)
Origin	Made in Korea

Product characteristics

- CPP / polyolefin base with minimal heat-induced shrinkage or expansion. Because the film barely stretches, one-piece application over membrane or complex curved surfaces can be difficult.
- For complex curves (mouldings, corners), plan segmented, overlapping application section by section.
- Avoid severe creasing or folding — the film may not fully recover its original state.
- Quality is maintained for at least 5 years from the manufacturing date, and up to 8 years under recommended storage conditions.

Installation method

1. Water-based primer — dilute per the dilution table and apply 2–3 even coats.
2. Drying — this film has low breathability (high-density resin); if the primer is not fully dry, residual gas or moisture can reduce adhesion and cause lifting.
3. Flat surfaces — let the film settle, then press evenly along the grain with a plastic or steel squeegee, using about twice the pressure of ordinary PVC film.
4. Corners / right angles — the film has strong restoring force; apply moderate heat with a hot-air dryer or heat gun (from ≥ 20 cm away), then bend firmly and press.
5. Working temperature — below 10 °C initial adhesion drops sharply; use hot air and keep the room at 18–24 °C. Full settling can take from ~15 days up to 6 months depending on site conditions.
6. Finishing — after installation, heat-treat and check there are no under-adhered areas.

Water-based primer dilution (primer : water)

Joints & edges	7 : 3
Flat panels	5 : 5

Apply the diluted primer in 2–3 even coats.