

LP41000 – Floor Graphics Protective Laminate

Description

LP41000 is a matt PVC over-laminate film for graphics for floors application. It provides protection from damaging from UV radiation, scratch and abrasion. Moreover, it offers enhanced colors and durability.

Features

- Protecting from UV rays, scratch and abrasion
- Excellent durability and dimensional stability
- High skid- resistance
- Enhancing color of image

Areas of use

- Excellent protection from floor graphics.
- Suitable for indoor floor advertising

Fabrication

Laminating

No heat is required. It can be used most squeeze roll laminators. Keep the film flat during lamination.

Characteristics

Item	Description
Film	200 µm Transparent film with gloss finish
Thickness	250 µm with adhesive (± 10 %)
Adhesive	Acrylic based pressure sensitive (Solvent based)
Adhesive color	Clear
Liner	Glassine paper (65 g/m ²)
Application surfaces	Flat, rounding etc.
Application temp.	≥ 10°C (18 to 25°C optimum)

Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 1 year when properly processed and applied (unprinted film vertical exposure).

Shelf Life

Shelf life is 1 year from factory shipment.

Storage Condition

Free from excessive moisture, temperature, direct sunlight (20°C x 50% R.H.)

Physical Properties

Property	Metric units	Test Method
Thickness (Including adhesive)	250 $\mu\text{m} \pm 10$	Micrometer
Tensile strength	$\geq 1.8 \text{ kg/cm}^2$	ASTM 882
Elongation	$\geq 100 \%$	ASTM 882
Peel adhesion (24hrs)	1,600 g/in	180 peeling PSTC-1
Service temp. range	-45°C ~ 82°C	Film applied Al panels 24 hrs prior test
Application temp.	$\geq 10^\circ\text{C}$	18 to 25°C optimum, on clean substrate
Opacity	Tt > 80	Haze Meter (Tt: Transmission)

Warranty

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