

LG Hausys Sign & graphic materials

LM48000 (Ultra tack grade)

Laminating Film for Protecting Floor Graphics

Description

LM48000(Ultra tack grade) 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
- High skid- resistance
- Enhancing color of image

Application

- Excellent protection from floor graphics
- Suitable for indoor floor advertising
- Not suitable for outdoor floor graphic alone

Characteristics

Item	Description
Film	200 μ m transparent film
Thickness	245 μ m with adhesive (\pm 10%)
Adhesive	Acrylic based pressure sensitive (Solvent based)
Adhesive color	Clear
Liner	Double sides PE coated paper
Application surfaces	Flat, rounding etc
Application temp.	\geq 10 $^{\circ}$ C (18 to 25 $^{\circ}$ C optimum)

Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 3 years when properly processed and applied (unprinted film vertical exposure)

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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	Specification	Test Method
Thickness (Including adhesive)	245µm ± 10%	Micrometer
Tensile strength	≥ 1.8kg/cm	ASTM 882
Elongation	≥ 100%	ASTM 882
Peel adhesion(24hrs)	≥ 1,600g/in	180 peeling PSTC-1
Service temp. range	-25°C ~ 82°C	Film applied Al panels 24hrs prior test
Application temp	≥ 10°C	18 to 25°C optimum, on clean substrate
Opacity	Tt >80	Haze Meter (Tt: Transmission)
Gloss	30↓	@60, in Machine Direction
Dimensional Stability	Max 0.8mm	Length Direction (100°C Oven, 2hr, Average)
Release liner thickness	0.15mm ± 10%	Micrometer

Fabrication

Laminating

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

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