

Descriptions

LG LM40000 is a embossed PVC film for protecting floor graphic images. It provides protection from damaging form UV radiation, scratch and abrasion. Moreover, it offers anti-slip property.(R9 Certification)

Features



200 micron **Embossed PVC Film**



Permanent & Clear adhesive



Double-side PE Coated Liner



Up to 3 years durability(Suitable for indoor)



Applications

- | | |
|--|---|
| <input type="checkbox"/> Outdoor Signage | <input type="checkbox"/> Window |
| <input checked="" type="checkbox"/> Indoor Signage | <input type="checkbox"/> Smooth Wall |
| <input type="checkbox"/> Vehicle Wraps | <input type="checkbox"/> Textured Wall |
| <input type="checkbox"/> Vehicle slight curve | <input type="checkbox"/> LSE (PP, PE, ABS) |
| <input type="checkbox"/> Back-lit | <input type="checkbox"/> Signboard (Lettering) |
| | <input checked="" type="checkbox"/> Overlaminates |



Printers

- Solvent Inkjet
- Latex Inkjet
- UV Inkjet
- Screen Printing
- Not Printable



Roll Sizes

- 105cm (41in)
- 110cm (43in)
- 122cm (48in)
- 137cm (54in)
- 152cm (60in)
- 155cm (61in)
- 160cm (63in)

Physical Properties

Property	Specification	Test Method
Thickness (Including adhesive)	250 μ m \pm 10%	Micrometer
Tensile strength	\geq 1.8kgf	ASTM 882
Elongation	\geq 100%	ASTM 882
Peel adhesion(24hrs)	\geq 1,200g/in	180 peeling PSTC-1
Application temp.	\geq 10 $^{\circ}$ C	18 to 25 $^{\circ}$ C optimum, on clean substrate
Gloss : LM41000	20 \downarrow	@60, in Machine Direction (ASTM D 2457)
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (100 $^{\circ}$ C Oven, 2hr , Average)
Release liner thickness	0.15mm \pm 10%	Micrometer

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Recommendation



Shelf life

Shelf life is 12 months from factory shipment.
Storage condition: Free from excessive moisture, temperature, direct sunlight (20 °C x 50% R.H)



Durability

Durability is based on unprinted film vertical exposure
Please see Durability guide of LG Hausys (www.lghausys.com)



Lamination Film

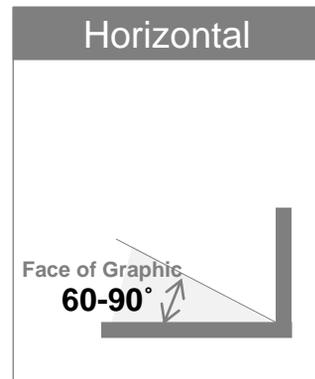
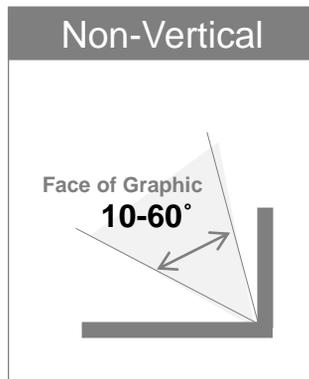
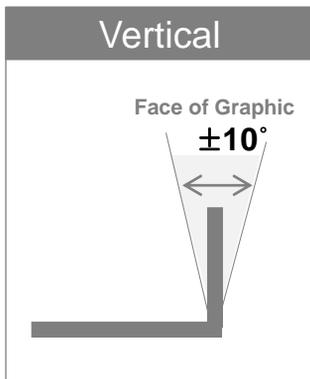
Not Applicable.

Durability Guide



Durability Period & Exposure Conditions

Exposure to	Durability period		Examples (3 years product, Zone 1&2)
	Zone 1 & 2	Zone 3	
Vertical	100%	50%	3 years × 100% = 3 years
Non-Vertical	60%	30%	3 years × 60% = 2 years
Horizontal	30%	15%	3 years × 30% = 1 years



Please refer to LG Hausys durability guide of zone 1,2 and 3. (Zone system chart)