

Descriptions

LG LCS90SC is a high-gloss clear PVC film for protecting Sign & Graphic images. It is coated with self-cleaning finishes* which is protecting dust and contaminations. (*self cleaning finishes : It means super-hydrophilic coatings)

Features



58 micron Cast clear PVC Film



Permanent & Clear adhesive



Double-side PE Coated Liner



Up to 7 years durability



Applications

- | | |
|---|---|
| <input type="checkbox"/> Outdoor Signage | <input type="checkbox"/> Window |
| <input 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)	88 μ m \pm 10%	Micrometer
Tensile strength	\geq 1.5kgf	ASTM 882
Elongation	\geq 50%	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 : LCS90SC	70 \uparrow	@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	0.18mm \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

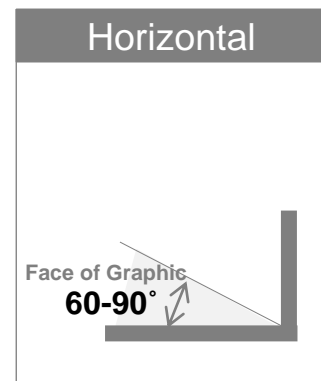
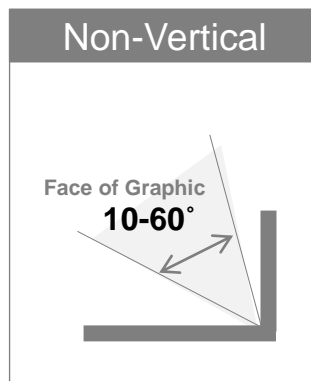
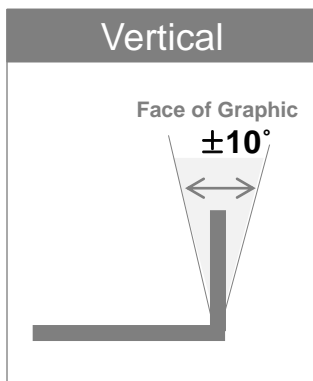
Not Applicable.

Durability Guide



Durability Period & Exposure Conditions

Exposure to	Durability period		Examples (7 years product, Zone 1&2)
	Zone 1 & 2	Zone 3	
Vertical	100%	50%	7 years × 100% = 7 years
Non-Vertical	60%	30%	7 years × 60% = 4 years
Horizontal	30%	15%	7 years × 30% = 2 years



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