

## Features



**100 micron Intermediate** White PVC film



### Printers

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



**LSE & Clear** adhesive



**Double-side PE Coated** Liner



**Up to 1** years durability



### Roll Sizes

- 105cm (41in)
- 110cm (43in)
- 127cm (50in)
- 137cm (54in)
- 152cm (60in)
- 155cm (61in)
- 160cm (63in)



### Applications

- Outdoor Signage
- Indoor Signage
- Vehicle Wraps
- Vehicle slight curve
- Back-lit
- Window
- Smooth Wall
- Textured Wall
- LSE (PP, PE, ABS)
- Signboard (Lettering)



### Fire Certification

Class B. BS EN 13501-1:2007

## Physical Properties

Property	Specification	Test Method
Thickness (Including adhesive)	130 $\mu$ m $\pm$ 10%	Micrometer
Tensile strength	$\geq$ 1.8kg/cm	ASTM 882
Elongation	$\geq$ 100%	ASTM 882
Peel adhesion(24hrs)	$\geq$ 2,000g/in	180 peeling PSTC-1
Application temp.	$\geq$ 10 $^{\circ}$ C	18 to 25 $^{\circ}$ C optimum, on clean substrate
Gloss : LD3870G	60 $\uparrow$	@60, in Machine Direction
LD3870M	20 $\downarrow$	(ASTM D 2457)
Dimensional Stability	Max 1.2mm	Adhered to Aluminum Plate, Length Direction (100 $^{\circ}$ C Oven, 2hr , Average)
Release liner thickness	0.14mm $\pm$ 10%	Micrometer

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## Peel Adhesion Property

Polymer abbr.	Polymer name	Surface energy (dynes/cm)	180° Peel (kgf/in)			
			20min		7 days	
			3811	3870	3811	3870
SUS	Stainless Steel	-	1.4	2.8	2.4	3.2
PE	Polyethylene	30	0.2	1.2	5.9	2.2
PP	Polypropylene	30	0.4	1.0	9.6	2.3
PC	Polycarbonate	46	1.3	2.4	2.1	2.8
ABS	Acrylonitrile butadiene styrene	35	2.1	2.2	2.4	2.9
PMMA	Polymethylmethacrylate	41	2.3	3.0	2.5	3.3

### Peel Adhesion Properties

\* The data described is the result of LG Hausys' internal test method.

\* Pre-testing is needed when applying to PC substrates as the adhesive may interact with the surface and emit gas.

\* Applications on substrates with higher surface energy also require pre-testing as there may be residue upon removal.

## 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](http://www.lghausys.com))



### Lamination Film

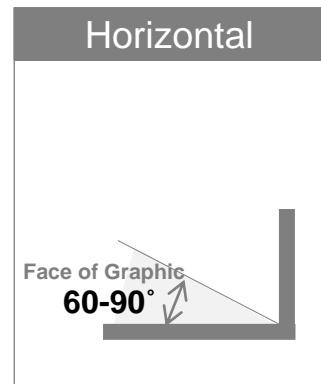
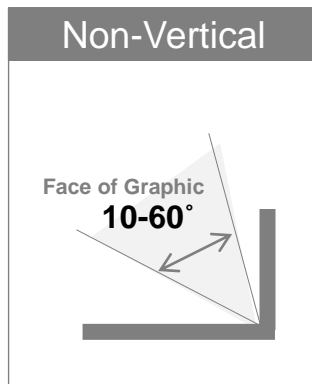
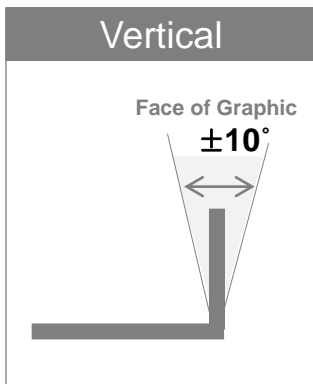
LD38 Series are recommended to use with LP3812.

## Durability Guide



### Durability Period & Exposure Conditions

Exposure to	Durability period		Examples (1 year product, Zone 1&2)
	Zone 1 & 2	Zone 3	
Vertical	100%	50%	1 year × 100% = 1 year
Non-Vertical	60%	30%	1 year × 60% = 0.6 year
Horizontal	30%	15%	1 year × 30% = 0.3 year



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