

LG Hausys sign & graphic materials

WIN-DECO

Window decoration Film

Description

LG Hausys windeco film is graphic film for windows. It prevents exposure from ultraviolet light, and various embossed patterns & excellent printability provide you beautiful visual effect on your windows.

Advantage:

- Durability : 3~5years
- Excellent blocking of sun light & UV
- Excellent printability for solvent inkjet printer
- Various embossed pattern & color
- Adhesive : Permanent(LC5510,5511), Removal (Other 5 patterns)

Areas of use :

- Outdoor or Indoor window

Characteristics:

Item	LC5510,5511M	LC5520,5521,5522,5540,5550M
Film	3.6 mils(0.09mm)	5.1 mils(0.13mm)
Thickness	4.6 mils(0.115mm) with adhesive (± 10 %)	6.3 mils(0.16mm)with adhesive (± 10 %)
Adhesive	Acrylic based pressure sensitive	
Adhesive color	Clear	
Liner	Clays coated paper(130g/㎡)	Double sides PE coated paper(130g/㎡)
Application surfaces	Flat Surface	
Application temp.	≥ 10℃ (18 to 25℃ optimum)	

Durability :

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 5 years (LC5510, LC5511M) & 3 years (LC5520,5521,5522,5540,5550M) 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: (LC5510, LC5511M)

Property	Result	Test Method
Film thickness	90 μ m	Micrometer
Tensile strength	$\geq 1.8\text{kg/cm}^2$	ASTM D 882
Elongation	$\geq 100\%$	ASTM 882
Peel Adhesion (24 hours)	$\geq 1,600\text{g/inch}$	PSTC-1
Service temp. range	-45 °C ~ 82 °C	Film applied Al panels 24hrs prior test
Application temp	$\geq 10\text{ }^\circ\text{C}$	
Release liner thickness/weight	0.13mm/130g/sqm	

Physical Properties (LC5520, 5521, 5522, 5540, 5550M)

Property	Metric units	Test Method
Thickness	130 μ m	Micrometer
Tensile strength	$\geq 1.8\text{kg/cm}^2$	ASTM 882
Elongation	$\geq 100\%$	ASTM 882
Peel adhesion(24hrs)	$\geq 1,000\text{g/in}$	180 peeling PSTC-1
Service temp. range	-45 °C ~ 82 °C	Film applied Al panels 24hrs prior test
Application temp	$\geq 10\text{ }^\circ\text{C}$	18 to 25 °C optimum, on clean substrate
Opacity	Tt >70	Haze Meter (Tt: Transmission)
Release liner thickness/weight	0.14mm/130g/sqm	

Fabrication

Application

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

Warranty:

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