

## WIN-DECO Film – Window Decoration Film with Airfree™ Technologie

### Description

LG Hausys WIN-DECO 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: 3~5 years
- Excellent blocking of sun light & UV
- Excellent printability for solvent inkjet printer
- Various embossed pattern & color
- Adhesive: Permanent (LC5510/LC5511, LC5510T/LC5511T), Removal (LC5520, LC5521, LC5522, LC5540, LC5550)

### Areas of use

- Outdoor or Indoor window.

### Fabrication

### Application

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

### Characteristics

Item	LC5510, LC5511	LC5510T, LC5511T	LC5520, LC5521, LC5522, LC5540, LC5550
Film	0.09 mm	0.09 mm	0.13 mm
Thickness	0.115 mm with adhesive (± 10 %)	0.115 mm with adhesive (± 10 %)	0.16 mm with adhesive (± 10 %)
Adhesive	Acrylic based pressure sensitive		
Adhesive color	Clear		
Liner	Clays coated paper (130 g/m <sup>2</sup> )	Clays coated paper (130 g/m <sup>2</sup> )	Double sides PE coated paper(130 g/m <sup>2</sup> )
Application surfaces	Flat Surface		
Application Characteristics		Airfree™ technology	
Application temp.	≥ 10°C (18 to 25°C optimum)		

### Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 5 years (LC5510/LC5511, LC5510T/LC5511T) & 3 years (LC5520, LC5521, LC5522, LC5540, LC5550) when properly processed and applied (unprinted film vertical exposure).

### 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/LC5511, LC5510T/LC5511T)

Property	Metric units	Test Method
Film thickness	90 µm	Micrometer
Tensile strength	≥ 1.8 kg/cm <sup>2</sup>	ASTM D 882
Elongation	≥ 100 %	ASTM 882
Peel Adhesion (24 hrs)	≥1, 600 g/inch	PSTC-1
Service temp. range	-45°C ~ 82°C	Film applied Al panels 24 hrs prior test
Application temp	≥ 10°C	
Release liner thickness/weight	0.13 mm / 130 g/sqm	

### Physical Properties (LC5520, LC5521, LC5522, LC5540, LC5550)

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

### Warranty

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