

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 ²)	Clays coated paper (130 g/m ²)	Double sides PE coated paper(130 g/m ²)
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 ²	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 ²	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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