



SUNGIL INNOTECH

SUNGIL INNOTECH through the new art will continue to project a beautiful world.



(주)성일이노텍
SUNGIL INNOTECH



HISTORY

- 2005 **Nov**
Established Sungil Total Printing
- 2006 **Mar**
Completed the construction of Jeongeup Plant
Apr
Registered as subcontractor of Samsung Electronics (refrigerator / air-conditioner / washing machine / air cleaner)
May
Obtained ISO 9001 : 2000 certification
Oct
Established Sungkyeong Glass (2nd Jeongeup Plant)
- 2009 **Mar**
Approved as Innovation Company by SMBA
Nov
Obtained certification for refrigerator door assembly and foam part-Q of Samsung Electronics
- 2010 **Mar**
Obtained ISO 14001 : 2004 certification
Completed the construction of Gwangju Plant (Land area: 14,200m², Total building area: 12,000 m²)
Apr
Changed into Sungil Innotech and expanded 1st Jeongeup Plant
Jun
Registered a patent(Patent No. 10-0963949)
Jun
Opened a R&D Lab
- 2011 **Jun**
Obtained an INNO-BIZ certification
- 2012 **Jan**
Registered Sungkyeong Glass as a subcontractor of Daewoo Electronics
- 2013 **Dec**
Award the export prize of US 5 Million
- 2015 **Jan**
Registered Trademark "Nevou Art" Certified Small hidden champion
- 2016 **Mar**
Registered by LG Display
May
Certified Hidden Champion
- 2017 **Apr**
Certified World Class 300 Company

PLANT



Corporate name SUNGIL INNOTECH Co., Ltd.

Address 11, Pyeongdongsandan-ro 62beon-gil, Gwangsan-gu, Gwangju, Korea

Plottage 14,286.30 m² (4320 pyeong)

Building area 11,198.72 m² (3387 pyeong)



Corporate name SUNGKYUNG INCOOPERATED.

Address 864, Habuk-dong Jeongeup-si Jeollabuk-do

Plottage 6435 m² (1946 pyeong)

Building area 3325 m² (1005 pyeong)



Address & Contact Us

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Tel +82-62-945-6671~3

Fax +82-62-945-6675

Homepage www.sungilinnotech.com

CERTIFICATION



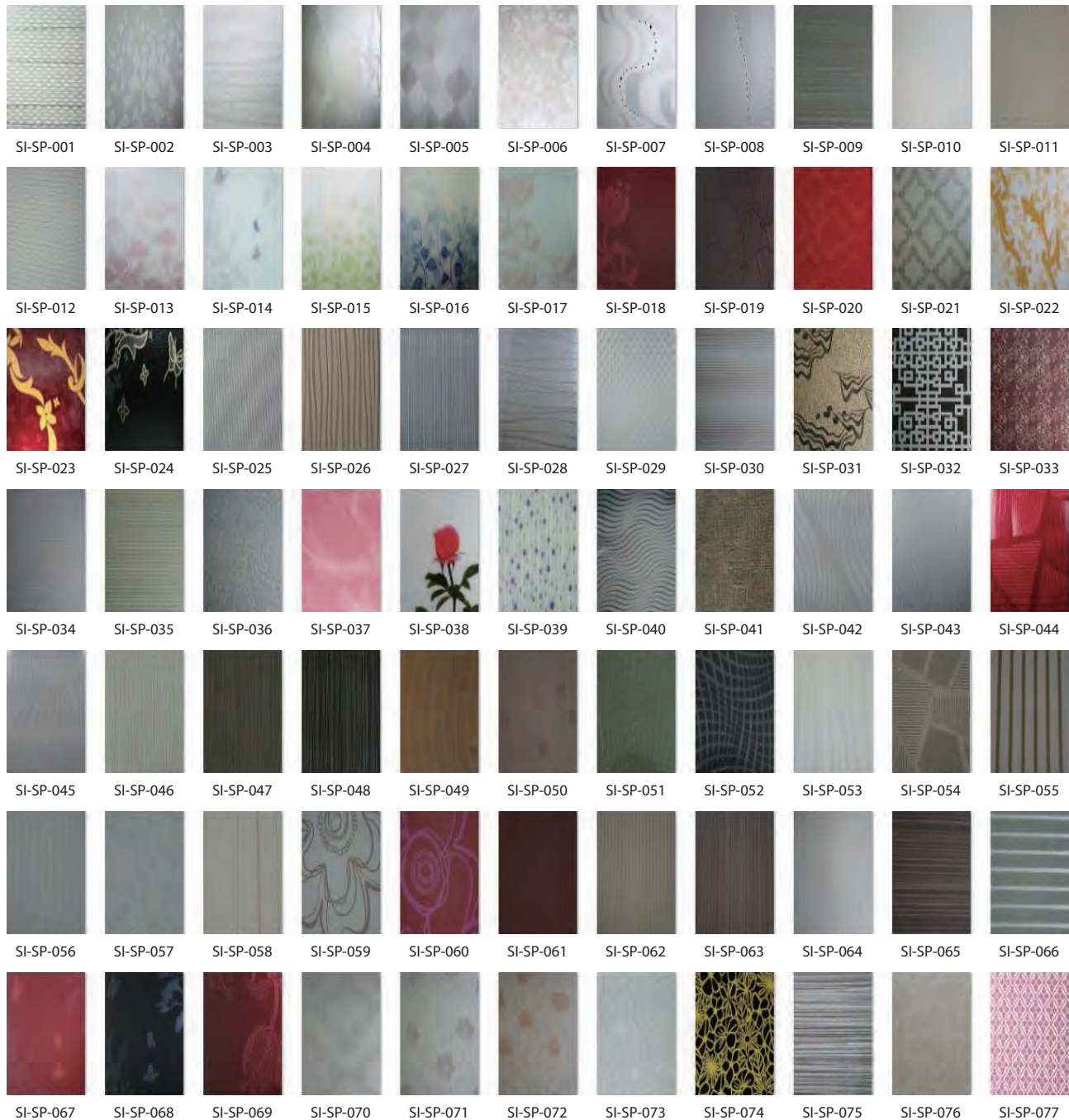
GLASS DECORATIONS

4

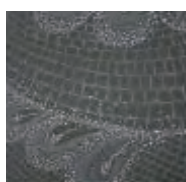
SUNGIL INNOTECH

SUNGIL INNOTECH through the new art will continue to project a beautiful world.

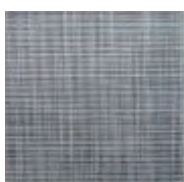
>> Rear side design



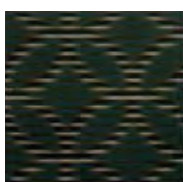
>> Both side design



SI-FP-001



SI-FP-002



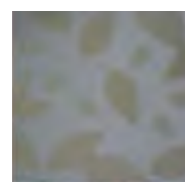
SI-FP-003



SI-FP-004



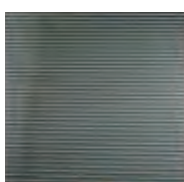
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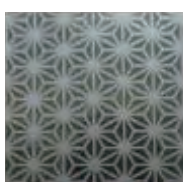
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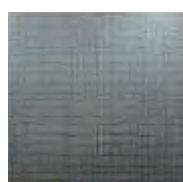
SI-FP-007



SI-FP-008



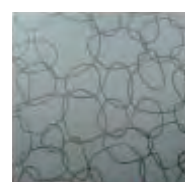
SI-FP-009



SI-FP-010



SI-FP-011



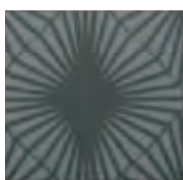
SI-FP-012



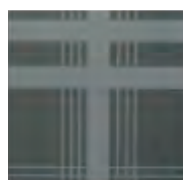
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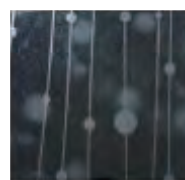
SI-FP-014



SI-FP-015



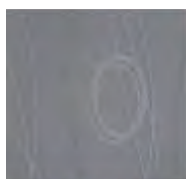
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SI-FP-017



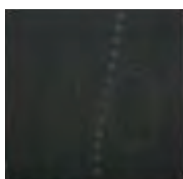
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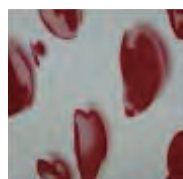
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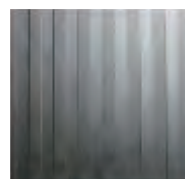
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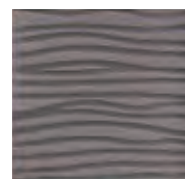
SI-FP-021



SI-FP-022



SI-FP-023



SI-FP-024

>> Decalcomania design



SI-BD-001



SI-BD-002



SI-BD-003



SI-BD-004



SI-BD-005



SI-BD-006



SI-BD-007



SI-BD-008



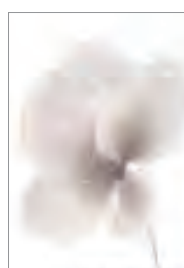
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SI-BD-010



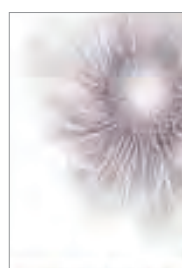
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SI-BD-012



SI-BD-013



SI-BD-014



SI-BD-015



SI-BD-016



SI-BD-017



SI-BD-018

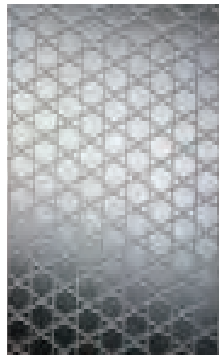


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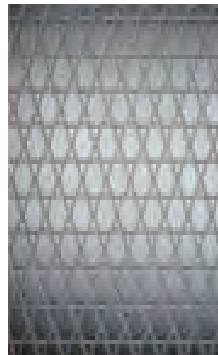
>> Satin design



SI-ST-001



SI-ST-002



SI-ST-003



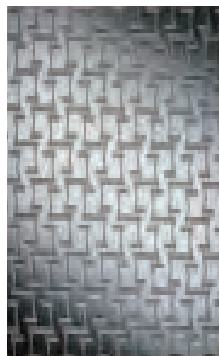
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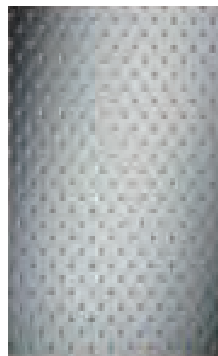
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SI-ST-006



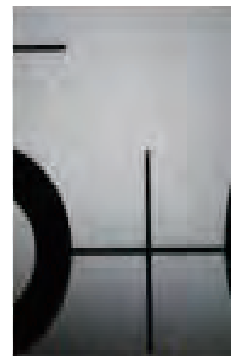
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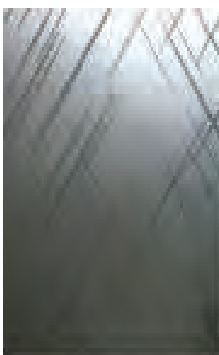
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SI-ST-009



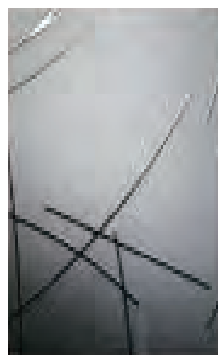
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SI-ST-011



SI-ST-012



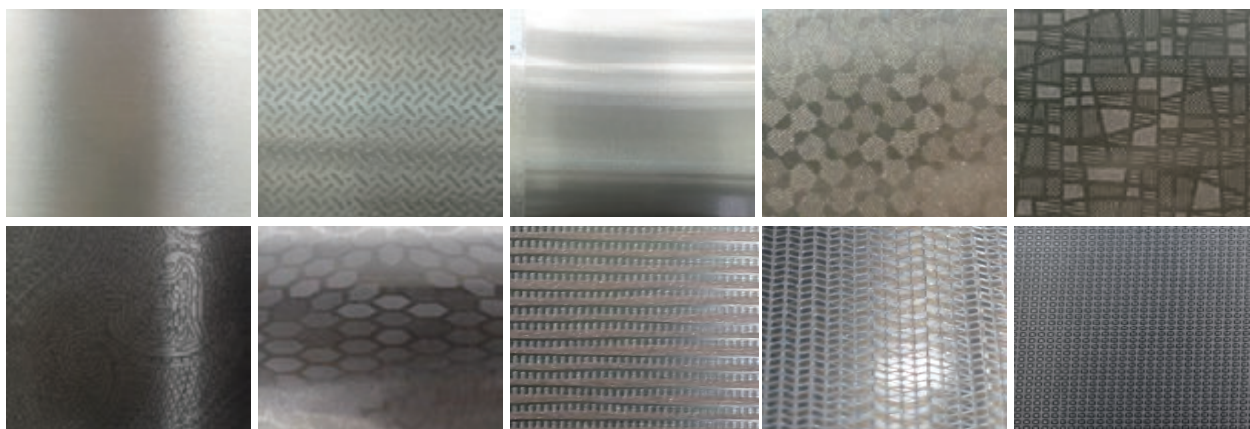
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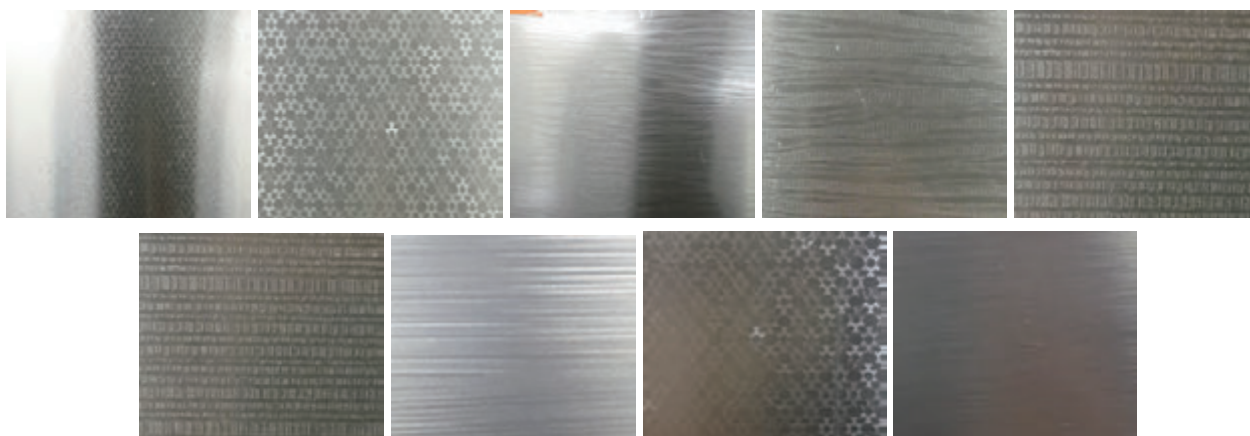
SI-ST-014



>> Steel design



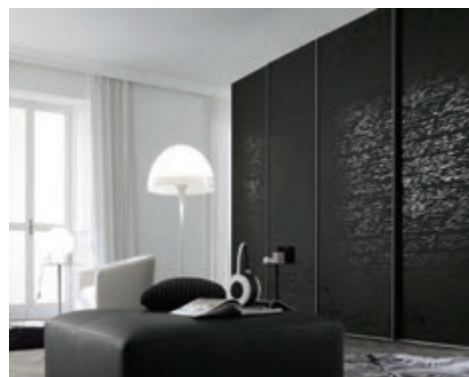
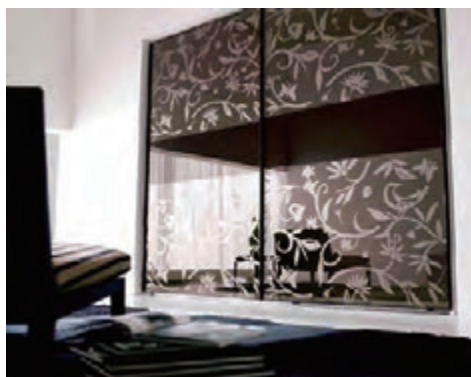
>> UV Mold Imprinting



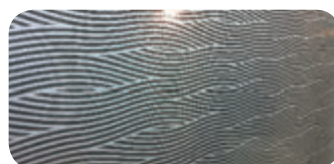
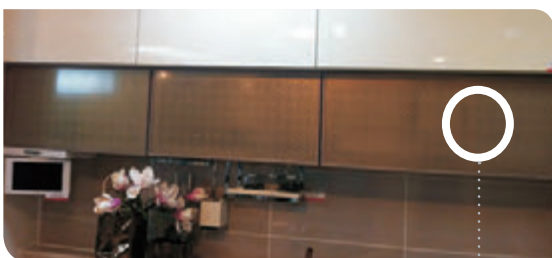
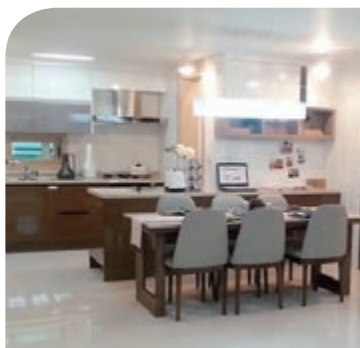
APPLICATION

FURNITURE

>> Dress Room



>> Kitchen



>> Shoe rack



HOME APPLIANCES



INTERIOR



GLASS TABLE MAT / DESSERT MAT



>> Features

- Interior effect of the kitchen and table
- Harmless to humans
- Pedestal for hot pot or cooking pan
Sanitary without scratch and knife-cut on the surface
- Odor free and stain resistant
- Easy cleaning with water
- Can be used for serving tray
- Can be used for cutting board



Table mat

• **Size**

– 420 x 280 x t3.2 mm

Package

- 4PCS/box – 4kg/box
- 2PCS/box – 2kg/box
- 1PCS/box – 1kg/box



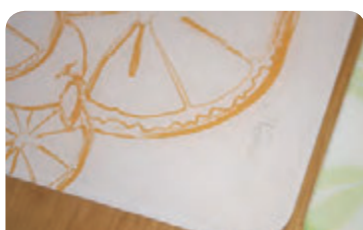
Dessert mat

• **Size**

– 280 x 210 x t3.2 mm

Package

- 2PCS/box – 1kg/box
- 1PCS/box – 0.5kg/box



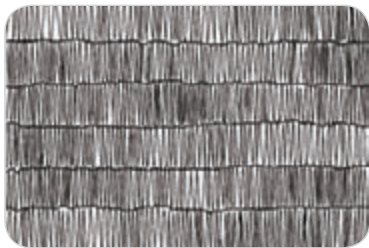
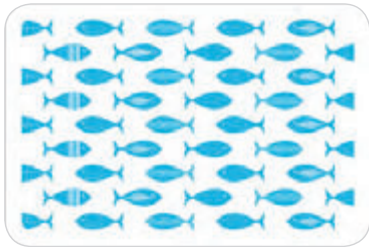
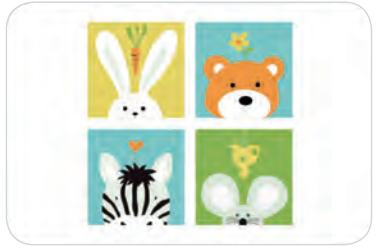
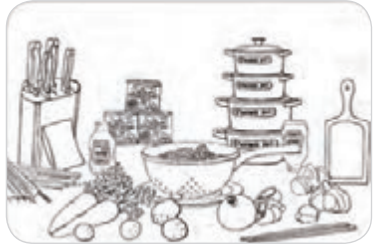
1. Logo



2. Detail



Back side





GLASS COVER



>> Multi-purpose Tempered Glass Cover

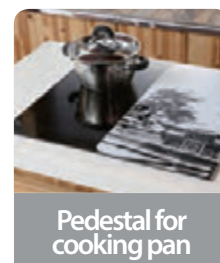
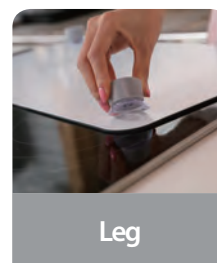
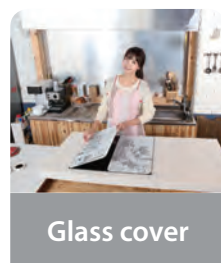
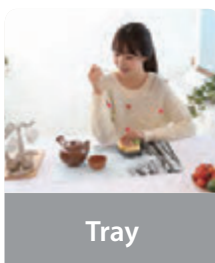
for Ceramic / Electric / Gas cookers
– Interior effect and Practicality –

**Size**

- 520 x 300 x t3.2mm

Package

- 1set(2PCS/box-3kg/box)







GLASS CUTTING BOARD



>> Features

- Permanent antibacterial
- Sanitary without scratch and knife-cut on the surface
- Harmless to humans
- Odor free and stain resistant
- Easy to clean because of no-scratch
- Interior effect in the kitchen
- Pedestal for hot pot or cooking pan
- Function for handle and holder hole



CB-NHWG



CB-NHGW



CB-NMWG



Safety Tempered Galss



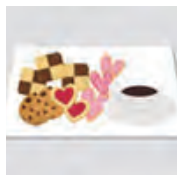
Pedestal for cooking pan



Easy cleaning



Sanitary for food stuff



Serving tray



Shatter proof protection

GLASS KITCHEN BOARD

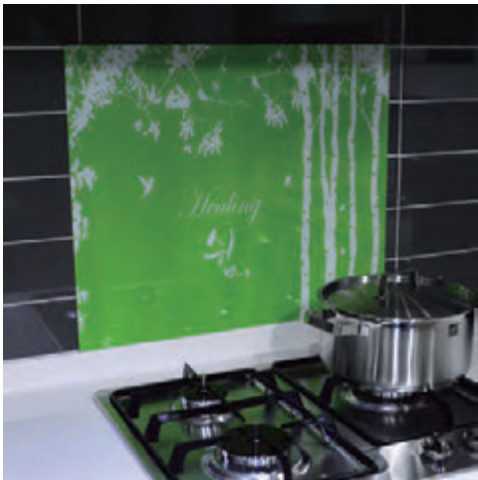


● Size

500 x 600 x t3.2mm
500 x 800 x t3.2mm
600 x 900 x t3.2mm

● Features

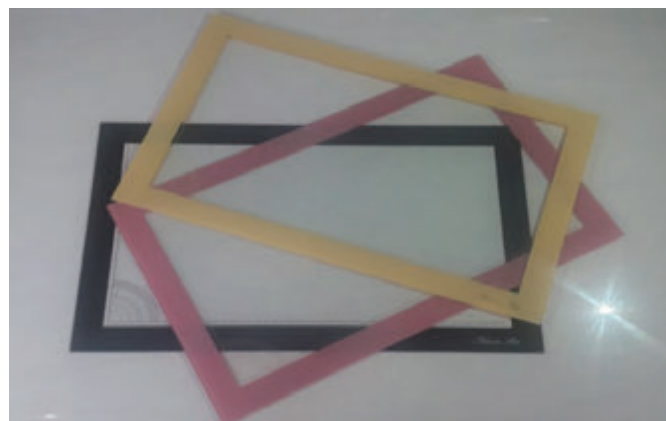
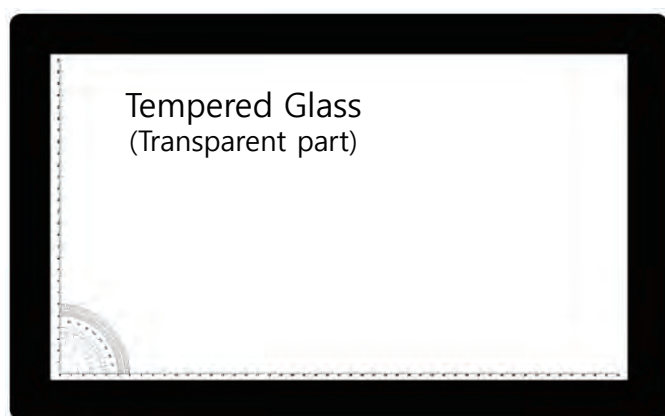
- .Safety Tempered glass
- .Preventing grease on back wall of cookware
- .Interior effect in the kitchen
- .Easy to install
- .Odor free and stain resistant
- .Easy cleaning the surface of glass
- .Sanitary glass without scratch
- .Flame resistant sheet for fire prevention



BEFORE vs AFTER



GLASS DESK MAT



● Color

Black / Pink / Yellow

● Size

350 x 566 x t3.2mm

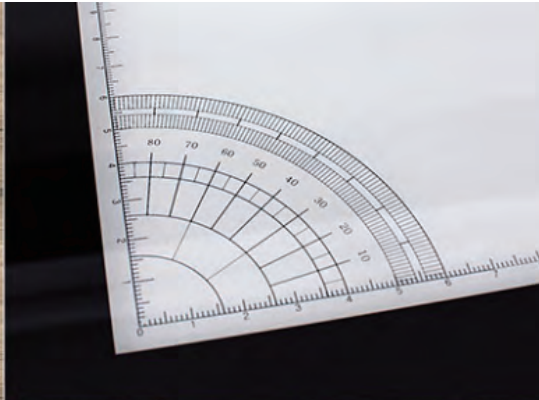
400 x 647 x t3.2mm

450 x 728 x t3.2mm

500 x 809 x t3.2mm

● Features

- .Safety Tempered glass
- .Slippery protection on the desk
- .Without scratch and knife
- .Applying ruler and protractor functions
- .Multi purpose for usage(Paper cutting, Notepad, Schedule management, etc)



GLASS WHITE BOARD



● Color



● Size

400 x 600 x t12mm
600 x 900 x t12mm
900 x 1200 x t12mm
900 x 1500 x t12mm
900 x 1800 x t12mm

● Features

- .Safety Tempered glass
- .Permanent use without scratch
- .Chemical resistant to the organic solvent
- .Easy to clean and resistant to pollution
- .Possible to attach magnet
- .Various color board

SMART GLASS



Construction

Can be used to maximize the full view of the landscape in a hotel, office, department store, resort, hospital and indoors by controlling the lighting conditions and temperature.

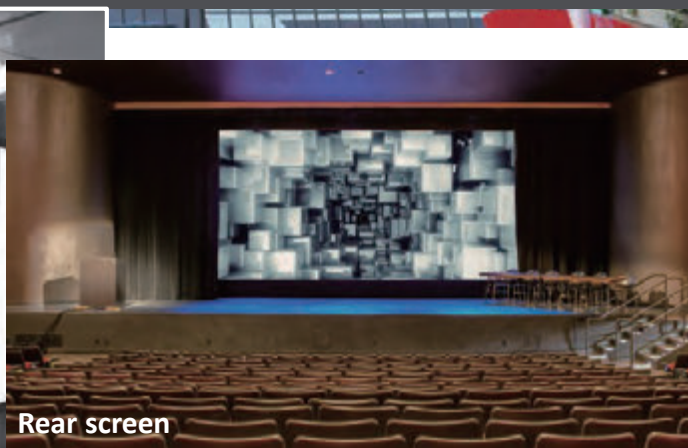


Advertisement & screen

There is no limit to the size of the product, and it can be applied to large-scale outdoor advertisements, show window, and stage production, using flexible properties of the product. It features a broad spectrum of views that allow viewing from multiple angles and can be used as a clear advertising medium.



Normally if you use film as rear screen, it has better image quality than front screen.



Transportation

Can be applied to transportation, train, yacht, airplane, military vehicles, etc. and can be opened to control individual spaces and to create a sense of openness.



Variable

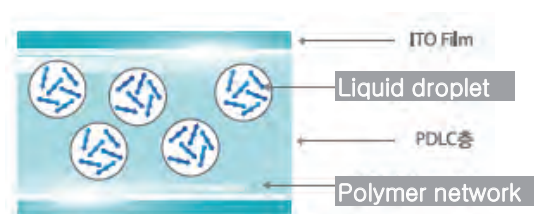
It covers the kitchen, household appliances, sculpture, and showcases, and gradually extends to new areas.



Product Specifications

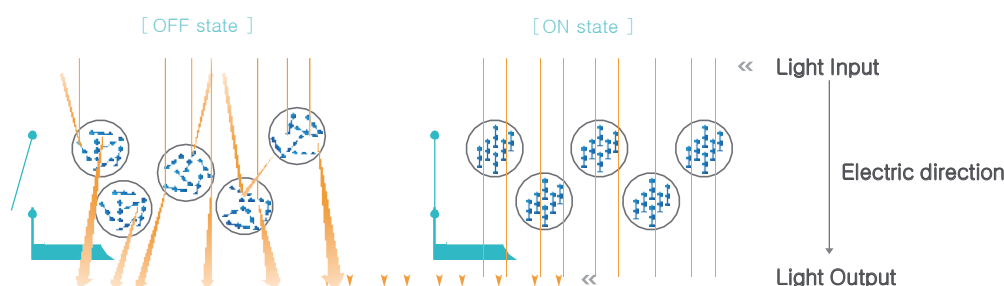
PDLCD Film Basic Structure

PDLCD Film between the two transparent electrode ITO films is a polymer matrix and a liquid crystal in drop shape is distributed between polymer network.



Operating Principal

In the absence of power supply, the liquid crystal molecules dispersed randomly between the polymers. They are arranged with the scattering of light, shows the opaque state of light. When the power is on, the liquid crystal molecules that are distributed between the polymer are arranged in the direction of the electric field so that the light can pass through and they show the transparent state of light.



Specification

Item(Normal)	Test Mode	Specification
Light transmittance	On state at 110V	>83%
	Off state	>75%
Haze (or diffuse light transmission)	On state at 110V	>2~3%
	Off state	>80%
Switching Speed	Off to On state	>15 mS
	On to Off state	>50 mS
Projection viewing angle		180°
Driving Voltage		110V

Dimension	
Thickness	0.4mm ± 0.1mm
Max. width	1800mm
Max. length	3000mm

Testing program for aging test		
Low Temperature: - 20°C (2,000hrs)	Standard Method	Done
Temperature exposure: 70°C (2,000hrs)		Done
High humidity: 70°C, RH 70% (2,000hrs)		Done
UV exposure (2,000hrs)		
Electrical cycling: 1 million on/off cycles		

Technical Specifications

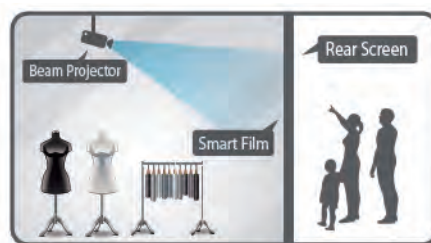
Product		Normal		Glass Lamination		Self-adhesive		Blind		Reverse
		LV111N	LV121N	LV111L	LV121L	LV111A	LV121A	LV111B	LV121B	LVXX1R
Operation	On State	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Opaque
	Off State	Opaque	Opaque	Opaque	Opaque	Opaque	Opaque	Opaque	Opaque	Transparent
Specification	Color	Milky White	Milky White	Milky White	Milky White	Milky White	Milky White	Milky White	Milky White	Transparent
	Thickness	400· 15μm	400· 15μm			560· 15μm	560· 15μm	400· 15μm	400· 15μm	400· 15μm
	Dimension	1200mm	1200mm	1200mm	1200mm	1200mm	1200mm	1200mm	1200mm	1200mm
	Light Transmittance at Power On	> 80%	>83%	>75%	>80%	>75%	>80%	>80%	>83%	<75%
	Light Transmittance at Power Off	<70%	<75%	<70%	<75%	<70%	<75%	<70%	<75%	>85%
	Haze Coefficient at Power On	<5%	<2~3%	<7%	<5%	<7%	<5%	<5%	<2~3%	>75%
	Haze Coefficient at Power Off	>85%	>80%	>85%	>80%	>85%	>80%	>85%	>80%	<3%
Electricity	Projection Viewing Angle	180°	180°	180°	180°	180°	180°	180°	180°	180°
	Switching Time from Off to On State	<15ms	<15ms	<15ms	<15ms	<15ms	<15ms	<15ms	<15ms	<15ms
	Switching Time from On to Off State	<50ms	<50ms	<50ms	<50ms	<50ms	<50ms	<50ms	<50ms	<50ms
	Driving Voltage	AC 110V	AC 110V	AC 110V	AC 110V	AC 110V	AC 110V	AC 110V	AC 110V	<AC110V
	Frequency	50~60Hz	50~60Hz	50~60Hz	50~60Hz	50~60Hz	50~60Hz	50~60Hz	50~60Hz	50~60Hz
	Consumption	9W/	9W/	9W/	9W/	9W/	9W/	9W/	9W/	<9W/
	Operating Temperature	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃
	Storage Temperature	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH	-15℃~30℃, <70% RH

* UV absorption index of 99% is guaranteed in case that electrical blind type is applied to self-adhesive and glass lamination type.

▶ BEAM PROJECTOR SCREEN

※ Normally if you use film as rear screen, it has better image quality than front screen.

Installation Environment	Recommended Projectors
Indoor lighting is dim & No External light	4000 ~ 5000Ansi
Indoor lighting is bright & External light	Above 5000Ansi



[use of rear screen]



(주)성일이노텍
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