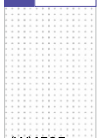
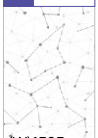
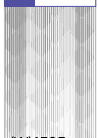
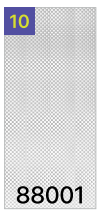
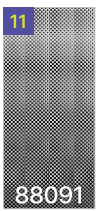
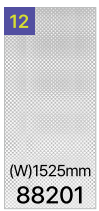
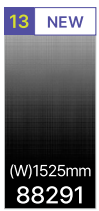

HYUNDAE sheet
POV
2022 New Collection 포브

SFP INDIA®
CREATE UPDATE RENOVATE

INDEX

PVC



01 NEW	02 NEW	03 NEW	04 NEW	05 NEW	06 NEW	07 NEW	08 NEW
							
(W)1525mm 88204	(W)1525mm 88205	(W)1525mm 88212	(W)1525mm 88214	(W)1525mm 88215	(W)1525mm 88231	(W)1525mm 88294	(W)1525mm 88295
09	10	11	12	13 NEW	14	15	16 NEW
							
WHITE 70% 88000	88001	88091	(W)1525mm 88201	(W)1525mm 88291	88092	(W)1525mm 88292	(W)1525mm 88290
17	18	19	20	21	22	23	24	25 NEW
								
88011	88012	88095	88098	88005	88016	88093	88105	조류충돌 방지필름 (W)1525mm 88041



Brand Identity

POV (Point of View) is a luxurious window film brand, launched by Hyundae Sheet Co, by upgrading the existing window film to one step above. It is a glass-exclusive use film which supports the possibility of various designs, while having great functions including; reduced energy consumption; UV intercept; prevent a glass scattering and protection from privacy invasion at the present, when green housing and green building of low-carbon and green-growth are becoming the global issues. Applied high quality 'Matt Printing Technology', provides three-dimensional texture with harmony of two contrasting texture.

Primary Application

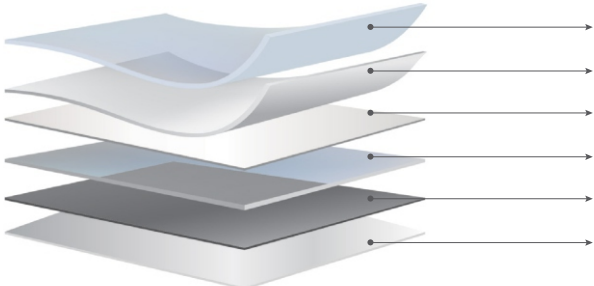
display cupboard windows · shower booths · veranda glass · show windows · other glass surfaces etc. (Glass Only)

Characteristics

Intercepting 98% of Detrimental UV Light	Shatter-Proof Safety Function	Protection of Privacy
· Protects body from diseases including liver spots, freckles, skin aging · Prevents furniture, curtain and wallpaper from bleaching or changing in color	· Safety secured by preventing damages to glass and preventing secondary accidents from glass fragments · Pressure sensitive adhesive for advanced safety film is used · Thickness same to safety film(2mil)	· Protects individual privacy by intercepting visibility from outside and makes the direct light soft to come in and creates comforting and pleasant atmosphere

6 heavy metals are not detected	· 6 heavy metals (Pb, Cd, Cr6+, Hg, PBBs, PBDEs) are not detected	Outstanding Dimensional Stability	· Product desorption of shrinking or lapsing is prevented to prevent contamination from adhesive after installation
Improvement of Surface Strength	· Resistant to scratches durable without bleaching and color change · SR Coating : 2H Anti-scratch coating applied	Interior Design Effect	· Possible to direct interior space simply and freely by applying various patterns and etching design · Black and white patterns of great print quality or natural etching glass effect

Compositions



- Scratch-resistant Coating
- Speciality Matt Printing
- PET Film
- Acrylic Clear Permanent Adhesive + UV Blocker
- Silicone Liner Coating
- Release Film (Logo Print)

Certificate



6대 중금속 불검출



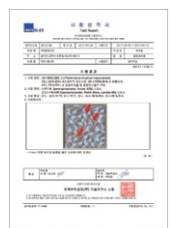
인장강도, 신장률, 접착강도



비산 방지



촉진 내후성



태양열 투과율 외 4건

(POV-88105)



조류 충돌 방지 필름

(HSF-88041)

Guides of installation & maintenance

Notices for Construction

Internal construction	In principle, the internal construction should be done for the glass surface in contact with the outside. In case of external construction the functionality of the product may be compromised due to contamination, breakage etc.
Cleanness of surface	As foreign materials or contaminants may damage the appearance after construction, please check the cleanliness of all materials before stating the construction. (i.e. contamination by static electricity etc.)
Use the proper amount of neutral detergents	Dilute the proper amount of neutral detergents with water and spray them uniformly to the glass surface and the adhered side of product for construction. If there is a lack of dilution of neutral detergents, the middle part of the sheet may be adhered during construction which makes it difficult to remove the water. Additionally, if excessively used with neutral detergents, the adhered side may be slippery, which may cause dislocation when compressed with a push stick.
Spray the diluted water to the surface of product	When compressing with a push stick after fixing the location, spray water to the surface to reduce the friction between the product and the push stick. As this product has completed the printing or etching treatment under SR coating layer, it can be scratched by the excessive pressure or the edge of the push stick.
The exclusive push stick recommended	As a scratch may occur on the surface when construction, it is recommended to use the exclusive plastic push stick. Additionally, if there is a bump on the surface of the push stick, remove it softly before construction.
Avoid bending of folding	Because of the sensitive nature of PET Film, the product may be bended or folded while constructing due to carelessness. Special attention should be paid while handling.
1:1 construction	As there is an uneven part of printing and etching on the surface, do not attempt overlapping construction. The overlapped part may be removed.
Silicone area of glass	For the existing glass, it is not easy to attach the product over the silicone area of the edge. It is imperative that no construction takes place on the silicone area.
Remove water	Before starting, remove water sufficiently to prevent the generation of stains after construction.
Glass only	Avoid applying on plastic surface including acrylic and polycarbonate(PC). Gas or water residue may cause damage on plastic surface.

Notices after Construction

When cleaning	After construction or when cleaning generally, it is prohibited to use solvents or strong detergents - as they may cause damage to the product. Use water or neutral detergents with soft clothes to remove the contaminants.
Scratch on the surface	Dish sponges, brushes, or sharp and solid objects may scratch the surface. Please use caution when using.

Notices for Storage

Roll fixing	Secure the rolls with an adhesive tape to avoid unrolling when storing after opening. Failure to adhere to these guidelines may result in the unfurling and damaging of the product.
Keep clean	If contaminated by dust or dirt, poor construction may result.

Specifications

Performance \ Pattern NO.		88204 Rattan Line (NEW)	88205 Pin Dot (NEW)	88212 Woven Stripe (NEW)	88214 Stripe Tile (NEW)	88215 Fabric Triangle (NEW)	88231 Star Map (NEW)	88294 Dia Gradaion (NEW)	88295 White Cube (NEW)	88000 White Matt	88001 Dot Gradation	88091 Dot Gradation (Black)	88201 Dot Gradation	88291 Dot Gradation (Black) (NEW)
Solar Heat	Transmittance	56	56	56	56	56	56	56	56	-	77	74	58	3
	Reflectance	33	33	33	33	33	33	33	33	-	12	11	16	8
	Absorptance	11	11	11	11	11	11	11	11	-	11	13	27	89
Visible Ray	Transmittance	56	56	56	56	56	56	56	56	31	77	74	4	1
	Reflectance	39	39	39	39	39	39	39	39	-	12	18	19	8
	Absorptance	11	11	11	11	11	11	11	11	-	11	8	28	89
Total Solar Energy Rejected		41	41	41	41	41	41	41	41	-	20	19	36	74
Shading Coefficient		0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	-	0.91	0.90	0.76	0.38
UV Rejected		99	99	99	99	99	99	99	99	98	98	98	99	99
Thickness		2	2	2	2	2	2	2	2	2	2	2	2	2
Structure		1	1	1	1	1	1	1	1	1	1	1	1	1
SR Coating		2	2	2	2	2	2	2	2	2	2	2	3	2

Specifications

Performance \ Pattern NO.		88092 Centre Gradation	88292 Centre Gradation	NEW 88290 Centre Gradation (Black)	88011 GM Stripe (White)	88012 GM Stripe (Black)	88095 Safety Mesh (White)	88098 Safety Mesh (Black)	88005 White Dot	88016 White Drip	88093 Frost Gradation	88105 Crystal
Solar Heat	Transmittance	77	49	3	72	72	89	89	79	81	76	62
	Reflectance	12	43	8	16	15	6	6	11	9	11	16
	Absorptance	11	7	89	12	13	10	10	10	10	13	22
Visible Ray	Transmittance	76	48	1	66	74	86	86	82	83	78	55
	Reflectance	11	58	8	17	17	5	5	13	12	14	23
	Absorptance	11	9	89	17	9	10	10	5	5	11	23
Total Solar Energy Rejected		19	49	74	21	21	19	19	20	20	18	31
Shading Coefficient		0.90	0.59	0.38	0.91	0.90	0.90	0.90	0.93	0.90	0.90	0.81
UV Rejected		98	99	99	98	98	98	98	98	98	98	98
Thickness		2	2	2	2	2	2	2	2	2	2	2
Structure		1	1	1	1	1	1	1	1	1	1	1
SR Coating		2	2	2	2	2	3	2	2	2	2	2

NEW 88041 Bird Guard Window Film		테스트 결과
Shatter Resistance 유리면	큰 파편 10조각 무게(g)	0
	큰 파편 낙하 1조각 무게(g)	0
Shatter Resistance 필름면	큰 파편 10조각 무게(g)	0
	큰 파편 낙하 1조각 무게(g)	0
Visible Ray Transmittance		88.1
Adhesion Strength		9.2
Tensile Strength		100
Tensile Strain		107
Weatherproof		0.3
UV Rejected		99.9
Thickness		2
Structure		2

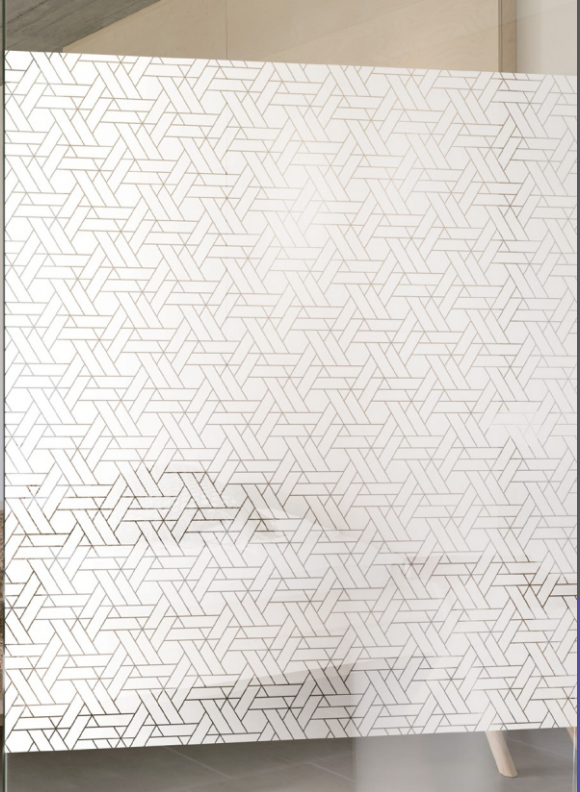
88204 NEW



No	88204 NEW
Name	라탄 라인 / Rattan Line
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H







01

(W)1525mm x (L)30M

88204

Rattan Line

SFP INDIA
CREATE UPDATE RENOVATE



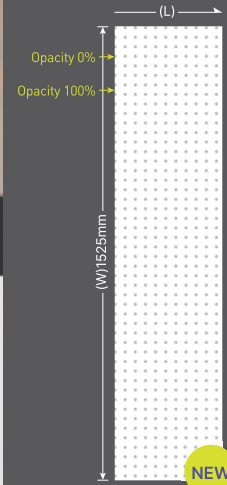
88205 NEW



No	88205 NEW
Name	핀 도트 / Pin Dot
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H





02

(W)1525mm x (L)30M

88205

Pin Dot

SFP INDIA
CREATE UPDATE RENOVATE



88212 NEW



No	88212 NEW
Name	우븐 스트라이프 / Woven Stripe
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



03

(W)1525mm x (L)30M

88212

Woven Stripe

SFP INDIA
CREATE UPDATE RENOVATE



88214 NEW



No	88214 NEW
Name	스트라이프 타일 / Stripe Tile
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H





04

(W)1525mm x (L)30M

88214

Stripe Tile

CREATE UPDATE RENOVATE



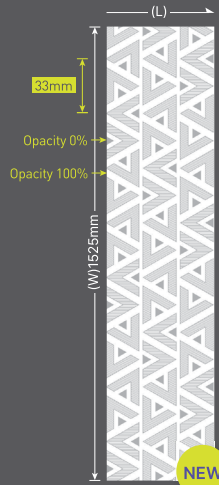
88215 NEW



No	88215 NEW
Name	패브릭 트라이앵글 / Fabric Triangle
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H





05

(W)1525mm x (L)30M

88215

Fabric Triangle

SFP INDIA
CREATE UPDATE RENOVATE



88231 NEW



No	88231 NEW
Name	스타맵 / Star Map
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H





06

(W)1525mm x (L)30M

88231

Star Map

SFP INDIA
CREATE UPDATE RENOVATE



88294 NEW



No	88294 NEW
Name	다이아 그라데이션 / Dia Gradation
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



07

(W)1525mm x (L)30M

88294

Dia Gradation

SPP INDIA
CREATE UPDATE RENOVATE



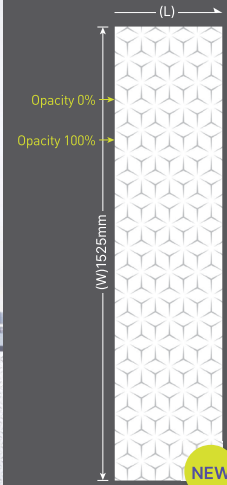
88295 NEW



No	88295 NEW
Name	화이트 큐브 / White Cube
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	56%	Solar Heat Reflectance	33%
Solar Heat Absorptance	11%	Visible Ray Transmittance	56%
Visible Ray Reflectance	39%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	41%	Shading Coefficient	0.68
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H





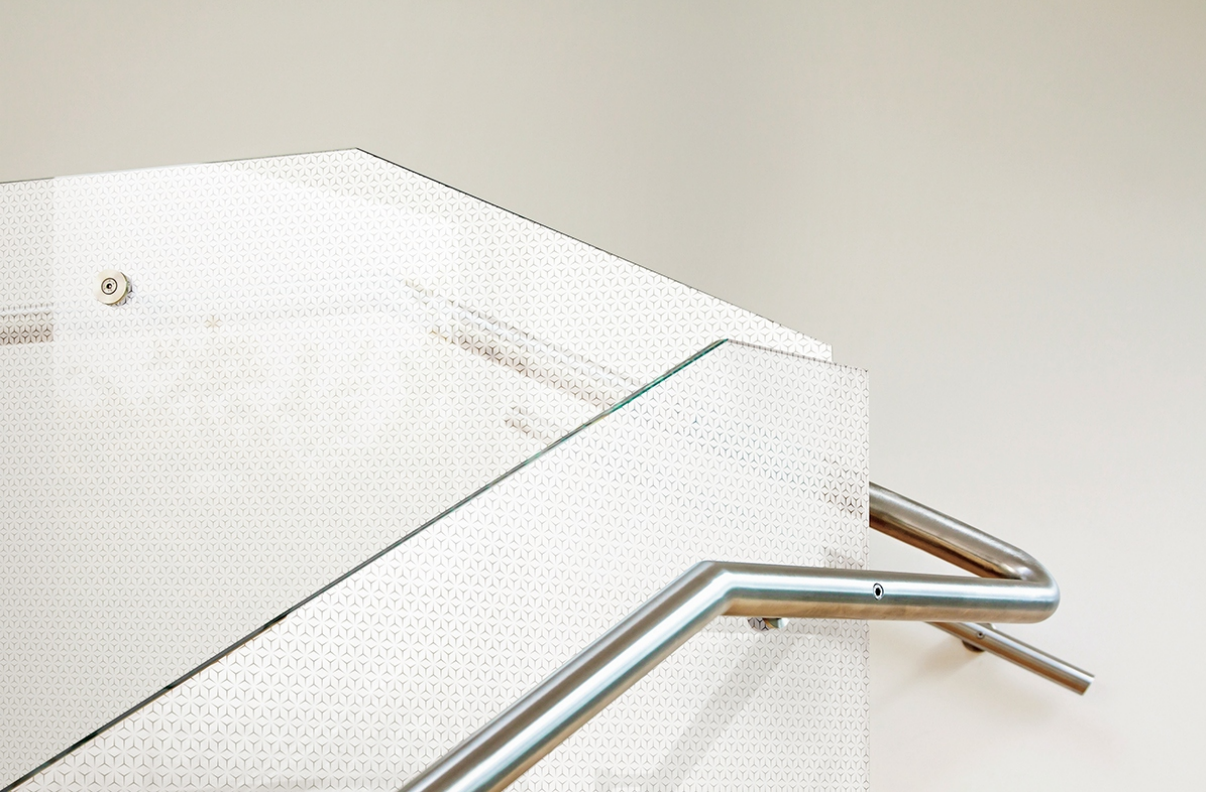
08

(W)1525mm x (L)30M

88295

White Cube

SFP INDIA
CREATE UPDATE RENOVATE



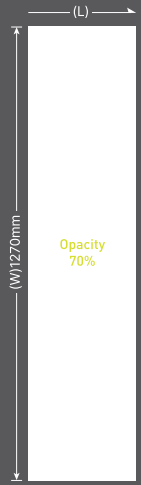
88000



No	88000
Name	화이트 매트 / White Matt
Size	(W)1270mm x (L)30M

Solar Heat Transmittance		Solar Heat Reflectance	
Solar Heat Absorptance		Visible Ray Transmittance	31%
Visible Ray Reflectance		Visible Ray Absorptance	
Total Solar Energy Rejected		Shading Coefficient	
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H





09

(W)1270mm x (L)30M

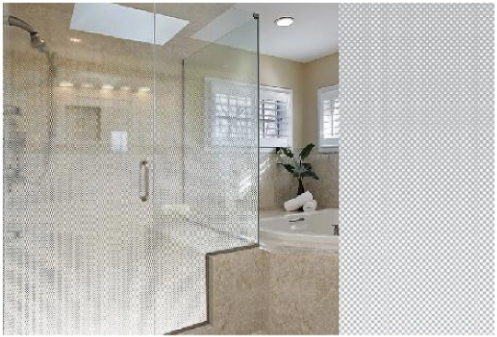
88000

White Matt

SFP INDIA
CREATE UPDATE RENOVATE



88001

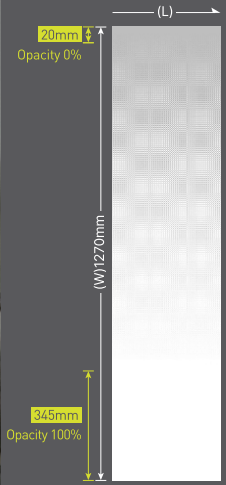


No	88001
Name	도트 그라데이션 / Dot Gradation
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	77%	Solar Heat Reflectance	12%
Solar Heat Absorptance	11%	Visible Ray Transmittance	77%
Visible Ray Reflectance	12%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	20%	Shading Coefficient	0.91
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



10

(W)1270mm x (L)30M

88001

Dot Gradation

SFP INDIA
CREATE UPDATE RENOVATE



88091

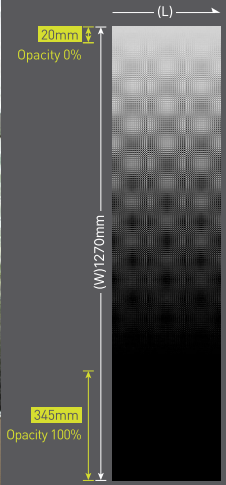


No	88091
Name	도트 그라데이션(블랙) / Dot Gradation(Black)
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	74%	Solar Heat Reflectance	11%
Solar Heat Absorptance	13%	Visible Ray Transmittance	74%
Visible Ray Reflectance	18%	Visible Ray Absorptance	8%
Total Solar Energy Rejected	19%	Shading Coefficient	0.90
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



11

(W)1270mm x (L)30M

88091

Dot Gradation(Black)

SFP INDIA
CREATE UPDATE RENOVATE



88201

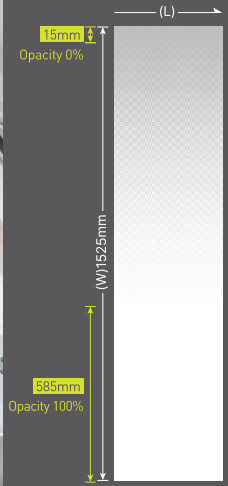


No	88201
Name	도트 그라데이션 / Dot Gradation
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	58%	Solar Heat Reflectance	16%
Solar Heat Absorptance	27%	Visible Ray Transmittance	4%
Visible Ray Reflectance	19%	Visible Ray Absorptance	28%
Total Solar Energy Rejected	36%	Shading Coefficient	0.76
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	3H



Horizontal Pattern



12

(W)1525mm x (L)30M

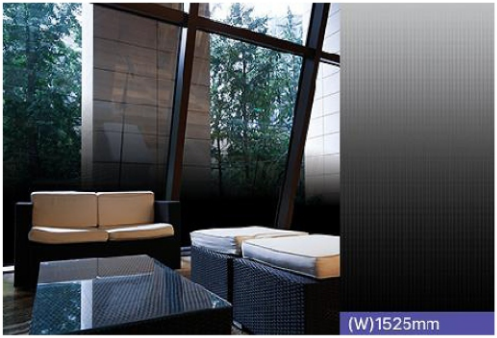
88201

Dot Gradation

SFP INDIA
CREATE UPDATE RENOVATE



88291 NEW

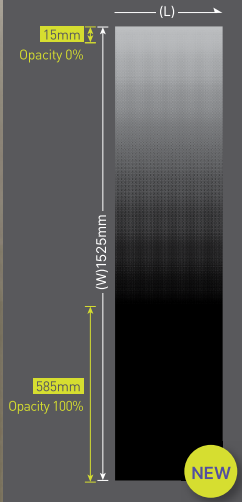


No	88291 NEW
Name	도트 그라데이션(블랙) / Dot Gradation(Black)
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	3%	Solar Heat Reflectance	8%
Solar Heat Absorptance	89%	Visible Ray Transmittance	1%
Visible Ray Reflectance	8%	Visible Ray Absorptance	89%
Total Solar Energy Rejected	89%	Shading Coefficient	0.38
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



13

(W)1525mm x (L)30M

88291

Dot Gradation(Black)

SPP INDIA
CREATE UPDATE RENOVATE



88092

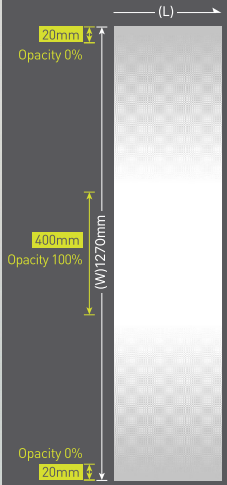


No	88092
Name	센터 그라데이션 / Centre Gradation
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	77%	Solar Heat Reflectance	12%
Solar Heat Absorptance	11%	Visible Ray Transmittance	76%
Visible Ray Reflectance	11%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	19%	Shading Coefficient	0.90
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



14

(W)1270mm x (L)30M

88092

Centre Gradation

SPP INDIA
CREATE UPDATE RENOVATE



88292

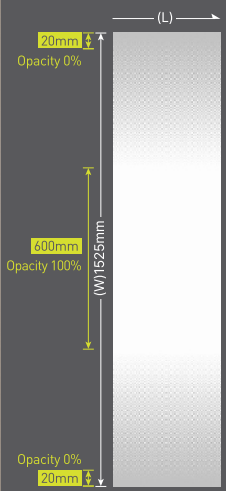


No	88292
Name	센터 그라데이션 / Centre Gradation
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	49%	Solar Heat Reflectance	43%
Solar Heat Absorptance	7%	Visible Ray Transmittance	48%
Visible Ray Reflectance	58%	Visible Ray Absorptance	9%
Total Solar Energy Rejected	49%	Shading Coefficient	0.59
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



15

(W)1525mm x (L)30M

88292

Centre Gradation

SFP INDIA
CREATE UPDATE RENOVATE



88290 NEW

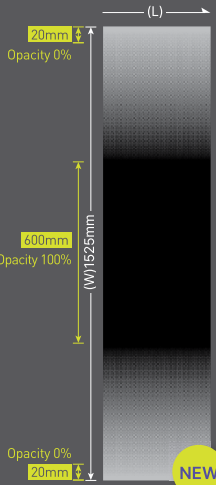


No	88290 NEW
Name	센터 그라데이션(블랙) / Centre Gradation(Black)
Size	(W)1525mm x (L)30M

Solar Heat Transmittance	3%	Solar Heat Reflectance	8%
Solar Heat Absorptance	89%	Visible Ray Transmittance	1%
Visible Ray Reflectance	8%	Visible Ray Absorptance	89%
Total Solar Energy Rejected	74%	Shading Coefficient	0.38
UV Rejected	99%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



16

(W)1525mm x (L)30M

88290

Centre Gradation(Black)

SFP INDIA
CREATE UPDATE RENOVATE



88011

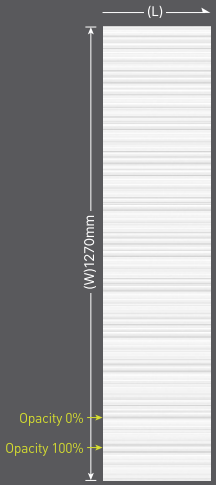


No	88011
Name	GM 스트라이프(화이트) / GM Stripe(White)
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	72%	Solar Heat Reflectance	16%
Solar Heat Absorptance	12%	Visible Ray Transmittance	66%
Visible Ray Reflectance	17%	Visible Ray Absorptance	17%
Total Solar Energy Rejected	21%	Shading Coefficient	0.91
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



17

(W)1270mm x (L)30M

88011

GM Stripe(White)

SFP INDIA
CREATE UPDATE RENOVATE



88012

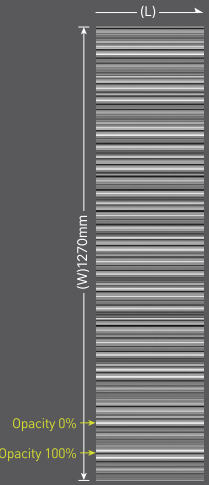


No	88012
Name	GM 스트라이프(블랙) / GM Stripe(Black)
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	72%	Solar Heat Reflectance	15%
Solar Heat Absorptance	13%	Visible Ray Transmittance	74%
Visible Ray Reflectance	17%	Visible Ray Absorptance	9%
Total Solar Energy Rejected	21%	Shading Coefficient	0.90
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



18

(W)1270mm x (L)30M

88012

GM Stripe(Black)

SFP INDIA
CREATE UPDATE RENOVATE



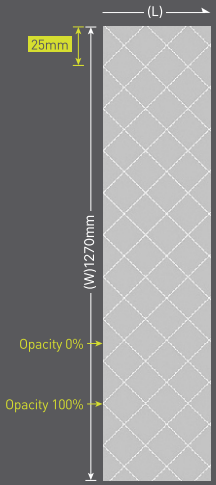
88095



No	88095
Name	세이프티 메쉬(화이트) / Safety mesh(White)
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	89%	Solar Heat Reflectance	6%
Solar Heat Absorptance	10%	Visible Ray Transmittance	86%
Visible Ray Reflectance	5%	Visible Ray Absorptance	10%
Total Solar Energy Rejected	19%	Shading Coefficient	0.90
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	3H





19

(W)1270mm x (L)30M

88095

Safety Mesh(White)

SFP INDIA
CREATE UPDATE RENOVATE


EXIT

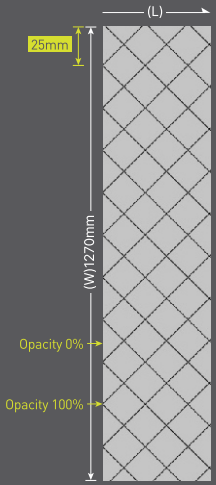
88098



No	88098
Name	세이프티 메쉬(블랙) / Safety mesh(Black)
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	89%	Solar Heat Reflectance	6%
Solar Heat Absorptance	10%	Visible Ray Transmittance	86%
Visible Ray Reflectance	5%	Visible Ray Absorptance	10%
Total Solar Energy Rejected	19%	Shading Coefficient	0.90
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H





20

(W)1270mm x (L)30M

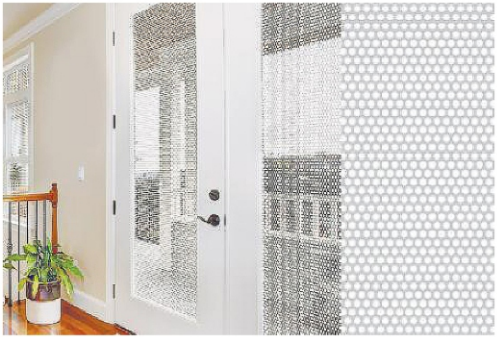
88098

Safety Mesh(Black)

SFP INDIA
CREATE UPDATE RENOVATE



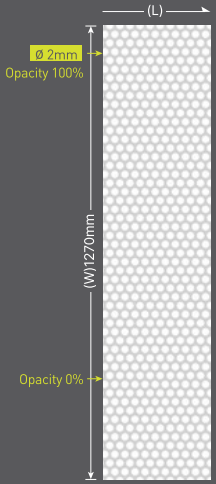
88005



No	88005
Name	화이트 도트 / White Dot
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	79%	Solar Heat Reflectance	11%
Solar Heat Absorptance	10%	Visible Ray Transmittance	82%
Visible Ray Reflectance	13%	Visible Ray Absorptance	5%
Total Solar Energy Rejected	20%	Shading Coefficient	0.93
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H





21

(W)1270mm x (L)30M

88005

White Dot

SFP INDIA
CREATE UPDATE RENOVATE



88016



No	88016
Name	화이트 드립 / White Drip
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	81%	Solar Heat Reflectance	9%
Solar Heat Absorptance	10%	Visible Ray Transmittance	83%
Visible Ray Reflectance	12%	Visible Ray Absorptance	5%
Total Solar Energy Rejected	20%	Shading Coefficient	0.90
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H





22

(W)1270mm x (L)30M

88016

White Drip

SFP INDIA
CREATE UPDATE RENOVATE



88093

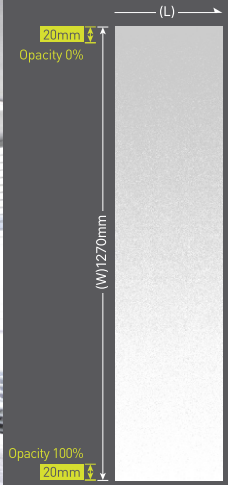


No	88093
Name	로스트 그라데이션 / Frost Gradation
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	76%	Solar Heat Reflectance	11%
Solar Heat Absorptance	13%	Visible Ray Transmittance	78%
Visible Ray Reflectance	14%	Visible Ray Absorptance	11%
Total Solar Energy Rejected	18%	Shading Coefficient	0.90
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H



Horizontal Pattern



23

(W)1270mm x (L)30M

88093

Frost Gradation

SPP INDIA
CREATE UPDATE RENOVATE



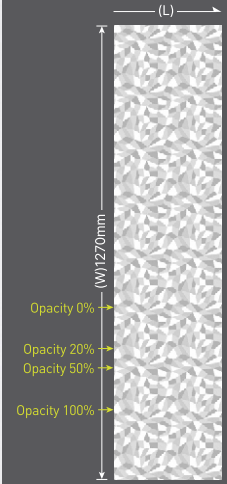
88105



No	88105
Name	크리스탈 / Crystal
Size	(W)1270mm x (L)30M

Solar Heat Transmittance	62%	Solar Heat Reflectance	16%
Solar Heat Absorptance	22%	Visible Ray Transmittance	55%
Visible Ray Reflectance	23%	Visible Ray Absorptance	23%
Total Solar Energy Rejected	31%	Shading Coefficient	0.81
UV Rejected	98%	Thickness	2mil
Structure	1ply	SR Coating	2H





24

(W)1270mm x (L)30M

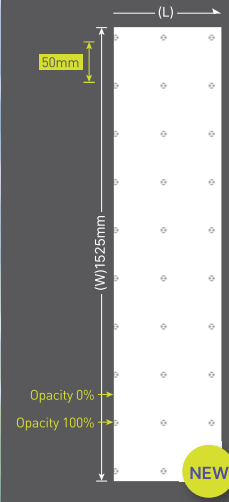
88105

Crystal

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CREATE UPDATE RENOVATE







25

(W)1525mm x (L)30M

88041

Bird Guard Window Film

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CREATE UPDATE RENOVATE




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CREATE UPDATE RENOVATE