



FILM PRODUCT CATALOGUE

VOLUME 03


Himalaya
ABADI
the glassavvy

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FILM PRODUCT

The essential benefits of glass film products are not just to be a shield protector of the glass, additionally it conveys values to characterise buildings & rooms' ambience through its features, patterns, colors, and other supporting technology.





WallFilm is a new decorative glass film with an attractively beautiful colour and pattern that can be used as a glass panel to cover your wall, wardrobe doors, kitchen backsplash, etc.

WallFilm is produced with a specific material which enhances luxurious finish to the wall, meanwhile is also very safe, if the glass is shattered it will be retained by **WallFilm**.

Applications :

- As a wall or pillar covering glass panel.
- Suitable for kitchen backsplash, wardrobe doors, elevator walls, counter-tops, or other commercial and residential interior applications.
- Create accents to the wall

Features :

- Safety, if shattered, the glass will be retained by the **WallFilm**
- Flexibility of glass material to be used, eg. tempered glass or other type of glass
- Attractively beautiful color range and pattern
- Enhancing luxurious finish on your wall
- Easy maintenance

WallFilm adalah suatu jenis kaca film dekoratif terbaru dengan warna warna dan motif menarik yang dapat digunakan sebagai panel kaca untuk melapisi dinding,

pintu lemari, kaca pelapis dinding dapur, dsb.

WallFilm terbuat dari material khusus sehingga selain memberikan kesan mewah pada dinding, juga sangat aman, jika pecah, pecahan kaca akan dipegang oleh **WallFilm**.

Aplikasi :

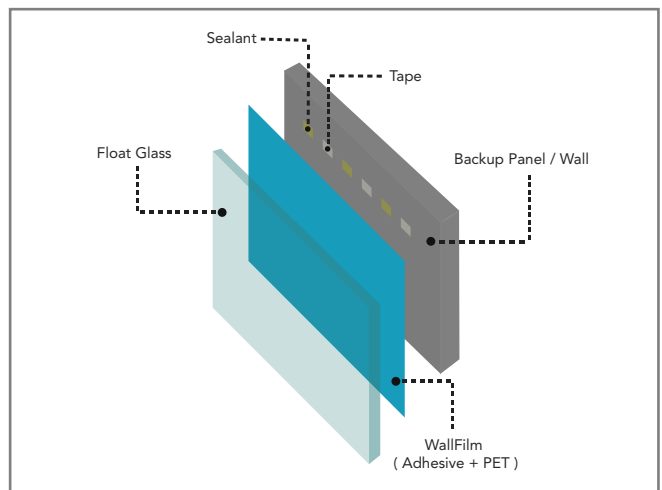
- Sebagai panel kaca untuk melapisi dinding atau pilar-pilar bangunan
- Cocok untuk digunakan sebagai kaca pelapis dinding dapur, panel pintu lemari, dinding lift ataupun aplikasi interior lainnya
- Memberikan aksen pada dinding

Keistimewaan :

- Aman, jika pecah, pecahan kaca akan dipegang oleh **WallFilm**
- Fleksibilitas penggunaan material kaca, misalnya: dapat menggunakan tempered glass ataupun jenis kaca lainnya
- Memiliki warna-warna dan motif menarik
- Memberikan kesan mewah pada dinding
- Mudah dibersihkan



ILLUSTRATION



METAL SERIES

1. Silver Hairline



2. Smoke Blue Hairline



3. Smoke Green Hairline



4. Blue Hairline



5. Yellow Hairline



6. Amber Hairline



7. Gold Hairline



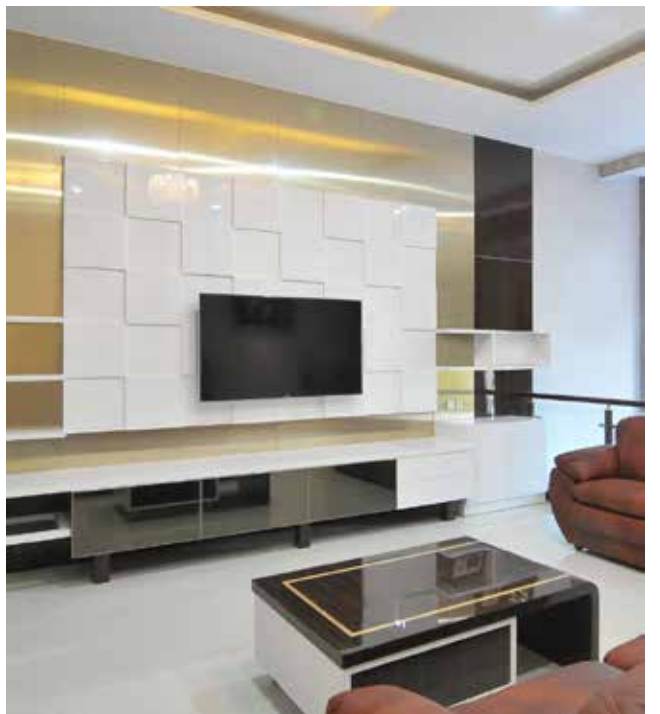
8. Red Hairline



9. Rose Hairline

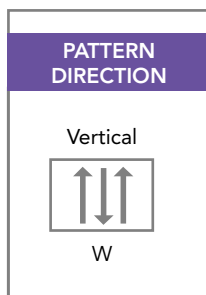


APPLICATION





METAL SERIES SPECIFICATION



TYPE	WIDTH	PATTERN DIRECTION
1. Silver Hairline	Maximum 1200 mm	Vertical
2. Smoke Blue Hairline		Vertical
3. Smoke Green Hairline		Vertical
4. Blue Hairline		Vertical
5. Yellow Hairline		Vertical
6. Amber Hairline		Vertical
7. Gold Hairline		Vertical
8. Red Hairline		Vertical
9. Rose Hairline		Vertical

finura

FILMED GLASS

Finura – filmed glass is the latest decorative glass innovation, which combines both patterned glass and PET film. Therefore it creates a unique pattern feature. **Finura - filmed glass** can be used as a decorative glass panels to enhance the luxurious and modern interior atmosphere because of its decorative nature.

Applications :

- As a pattern wall covering glass panels
- As a wardrobe door panels
- As an elevator walls, etc

Features :

- Pattern features and attractive colors
- Safety from glass fragments
- Delivers a unique, modern and luxurious atmosphere

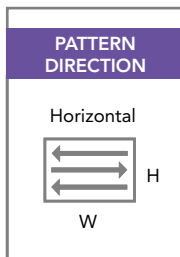
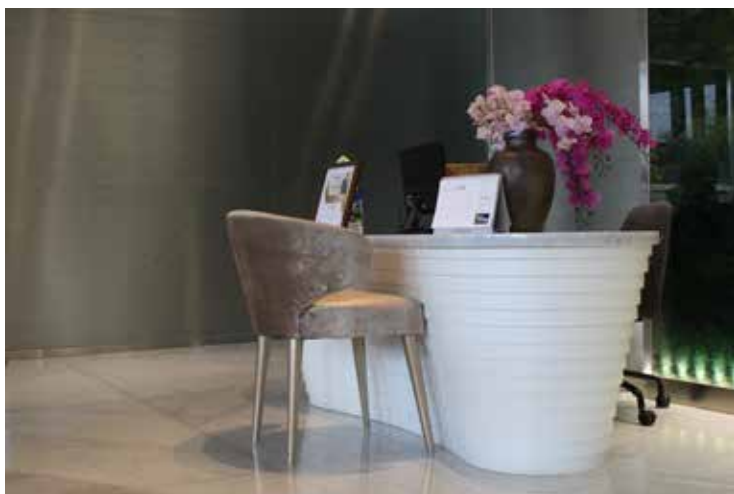
Finura - filmed glass adalah suatu inovasi kaca dekoratif terkini yang memadukan kaca dan film PET, Sehingga menghasilkan fitur bertekstur yang unik **Finura – filmed glass** dapat digunakan sebagai panel kaca dekoratif untuk menghias interior sehingga terkesan modern dan mewah.

Aplikasi :

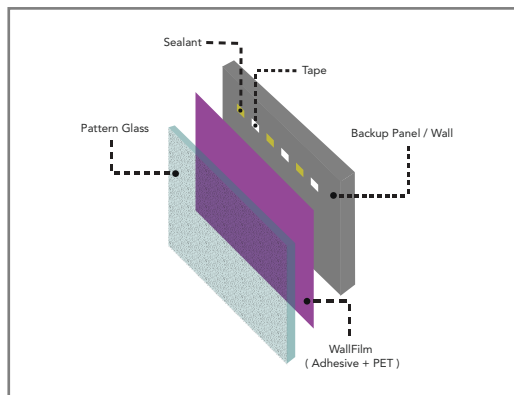
- Sebagai kaca pelapis dinding dengan motif bertekstur
- Sebagai panel pintu lemari
- Sebagai dinding lift, dsb

Keistimewaan :

- Memiliki motif bertekstur dan warna yang menarik
- Aman, jika pecah, pecahan kaca akan dipegang oleh film
- Menghadirkan kesan unik, modern, dan mewah



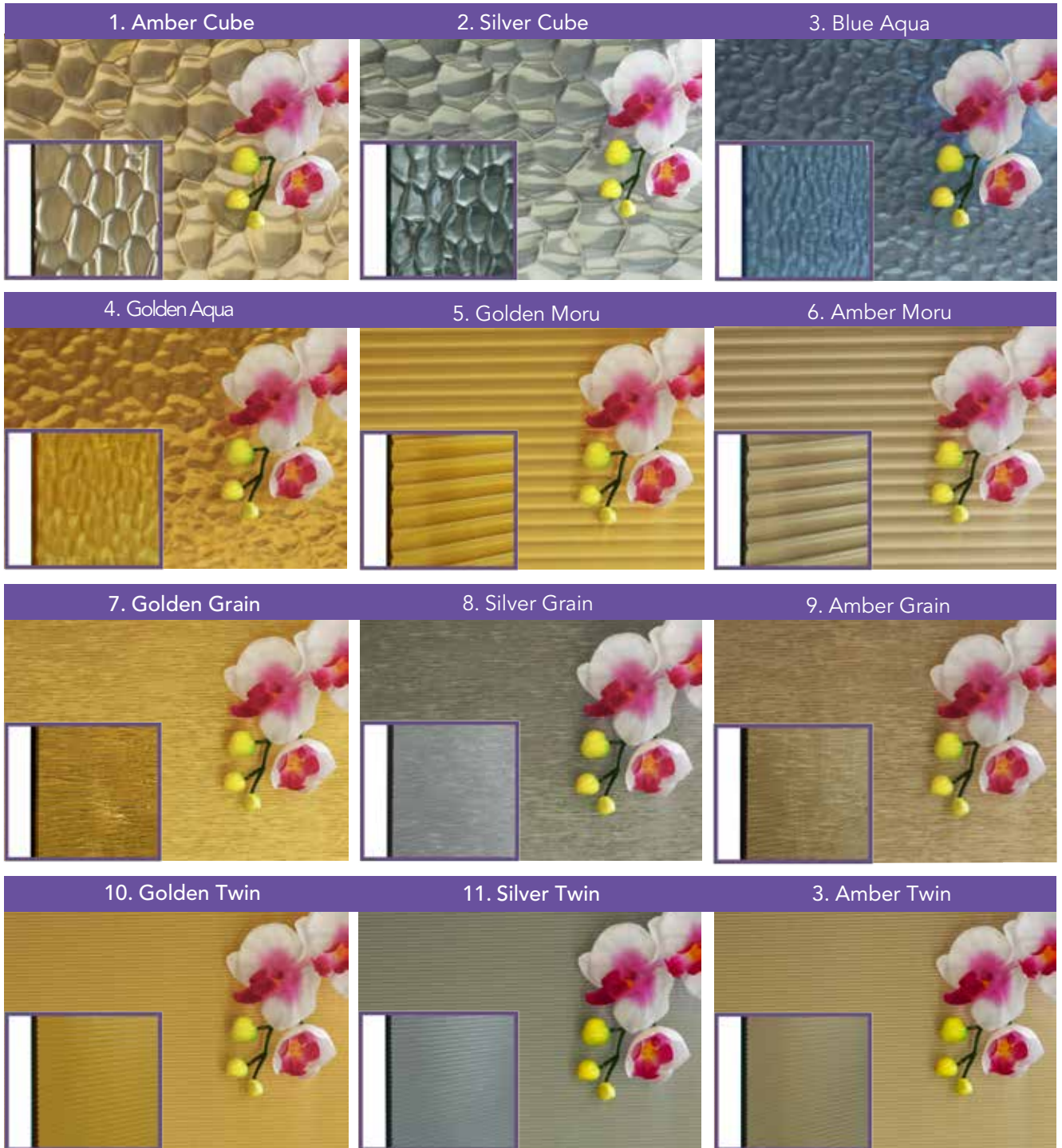
ILLUSTRATION



SPECIFICATION

TYPE	THICKNESS	PATTERN DIRECTION	SIZE MAX (W x H)
1. Amber Cube	5 mm	-	2400 x 1200 mm
2. Silver Cube	5 mm	-	2400 x 1200 mm
3. Blue Aqua	5 mm	-	2400 x 1200 mm
4. Golden Aqua	5 mm	-	2400 x 1200 mm
5. Golden Moru	5 mm	Horizontal	2400 x 1200 mm
6. Amber Moru	5 mm	Horizontal	2400 x 1200 mm
7. Golden Grain	5 mm	Horizontal	2100 x 1200 mm
8. Silver Grain	5 mm	Horizontal	2100 x 1200 mm
9. Amber Grain	5 mm	Horizontal	2100 x 1200 mm
10. Golden Twin	5 mm	Horizontal	2400 x 1200 mm
11. Silver Twin	5 mm	Horizontal	2400 x 1200 mm
12. Amber Twin	5 mm	Horizontal	2400 x 1200 mm

TYPE



APPLICATION





SWITCH GLASS

Switch Glass is a unique combination between glass, PET, and Polymer Dispersed Liquid Crystal integrated in a switchable interlayer unleashes the power to change the view from opaque to clear, electrically. **Switch Glass** have a function that the transmittance of the glass can be controlled by electrical switching (Privacy Glass). At the same time, they have a function of the rear projection screen (Projector Glass) as well as Interactive Glass.

Applications :

Architectural windows (Interior/ Exterior), Interior partition, Facade, Shop Front Window, Conference Room, Control Room, TV Studio, Exhibition, Showroom, etc.

Structure & Operating Principle :

Polymer Dispersed Liquid Crystal layer exists between two pieces of transparent conductive film (ITO - PET film) in a phase separated structure of liquid crystal domain and polymer matrix. When the electrical power is off, the randomly oriented liquid crystal domains scatter light (opaque). However, when the electrical power is applied, the liquid crystal molecules in the domain orient along the direction of electric fields and it allows the light to pass through the film (transparent).

Features :

As a Privacy Glass:

- User's comfort and privacy
- Protection of interior furniture & valuable items from UV damage (UV blocking : more than 98%)
- Safety and security (Laminated glass)
- Operate on ordinary AC Voltage (110VAC)
- Low power consumption (+/- 4.0 watts per square meter)

As a Projector Glass :

- High Bright and resolution
- Large viewing angle
- Durable & easy to clean (Glass surface)
- Projection equipment is hidden behind (Rear Projection)
- High acoustic performance : avoid noise from the projector
- Eye catching : transparent at will (ON)

As an Interactive Glass :

- Get the interactive functions by adding a touch screen sensor device or motion sensor device.

Switch Glass merupakan perpaduan kaca, kaca film dan *Liquid Crystal yang terintegrasi untuk menghadirkan privasi dalam sekejap. Switch Glass dapat berubah dari kondisi buram menjadi bening dalam sekejap jika dialiri listrik (Privacy Glass). Switch Glass dapat juga berfungsi sebagai layar proyektor (Projector Glass), maupun sebagai layar interaktif (Interactive Glass).*

Aplikasi :

Architectural windows (Interior/Exterior), Pembatas Ruangan, Facade, Shop Front Window, Ruang Konferensi, Ruang Kontrol, Studio TV, Pameran, Showroom, dll.

Struktur dan Prinsip Pengoperasian :

Polymer Dispersed Liquid Crystal, yang dilaminasi pada tengah-tengah kaca akan berada pada posisi yang teratur ketika dialiri oleh aliran listrik, sehingga cahaya yang masuk akan diteruskan, hal ini akan membuat tampilan menjadi bening (clear). Akan tetapi ketika aliran listrik dihentikan, kristal cair ini akan kembali ke posisi semula yang tidak beraturan/tersebar, sehingga menghambat cahaya yang masuk, hal ini akan membuat tampilan menjadi buram (opaque).

Keistimewaan :

Sebagai Privacy Glass:

- Berubah dari buram (opaque) menjadi bening (clear) dalam sekejap
- Sangat mudah untuk mendapatkan privasi
- Melindungi perabotan rumah dan peralatan lainnya agar tidak pudar warnanya ataupun rusak akibat radiasi UV (penolakan UV lebih dari 98%)
- Aman (Diantara kaca terdapat film, apabila pecah, pecahan kaca akan dipegang oleh film)
- Beroperasi dengan voltase listrik normal
- Konsumsi listrik yang kecil (+/- 4.0 watt/ m2)

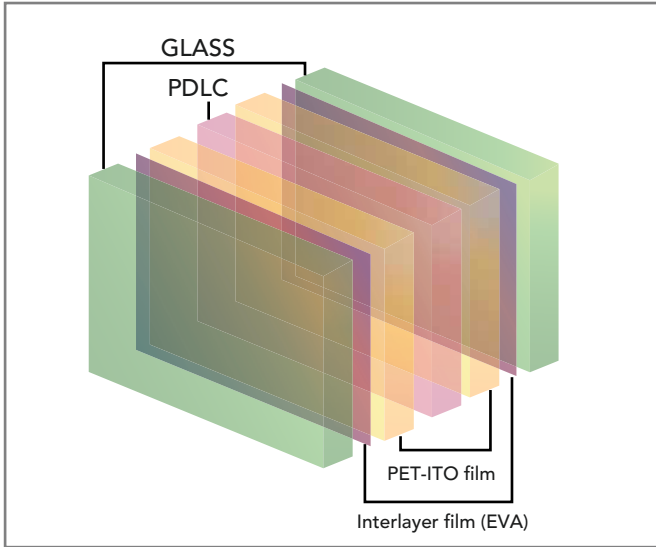
Sebagai Projector Glass :

- Gambar yang terang dan tajam (resolusi tinggi)
- Sudut pandang yang luas
- Mudah dalam perawatan dan pembersihan (permukaan kaca)
- Proyektor ditempatkan dibagian belakang kaca
- Dari sisi akustik, suara berisik dari proyektor bisa dihindari
- Menarik, dapat dibuat menjadi transparan sesuai kehendak (dalam sekejap)

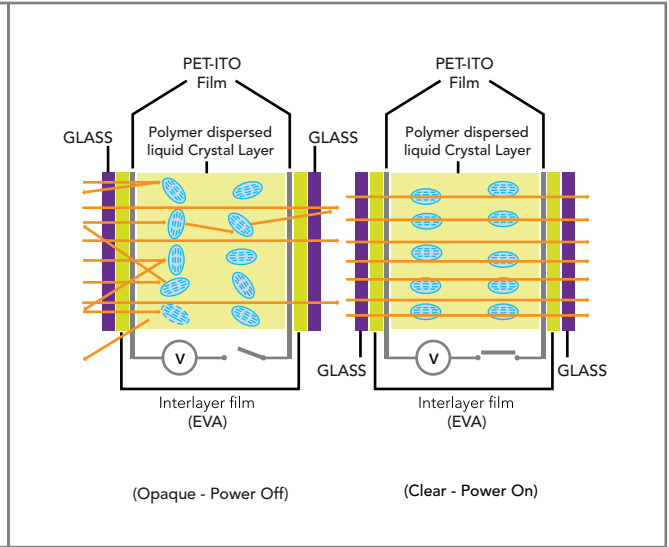
Sebagai Interactive Glass :

- Dapat difungsikan sebagai layar interaktif dengan menambahkan touch screen sensor ataupun motion sensor

STRUCTURE



OPERATION PRINCIPLE



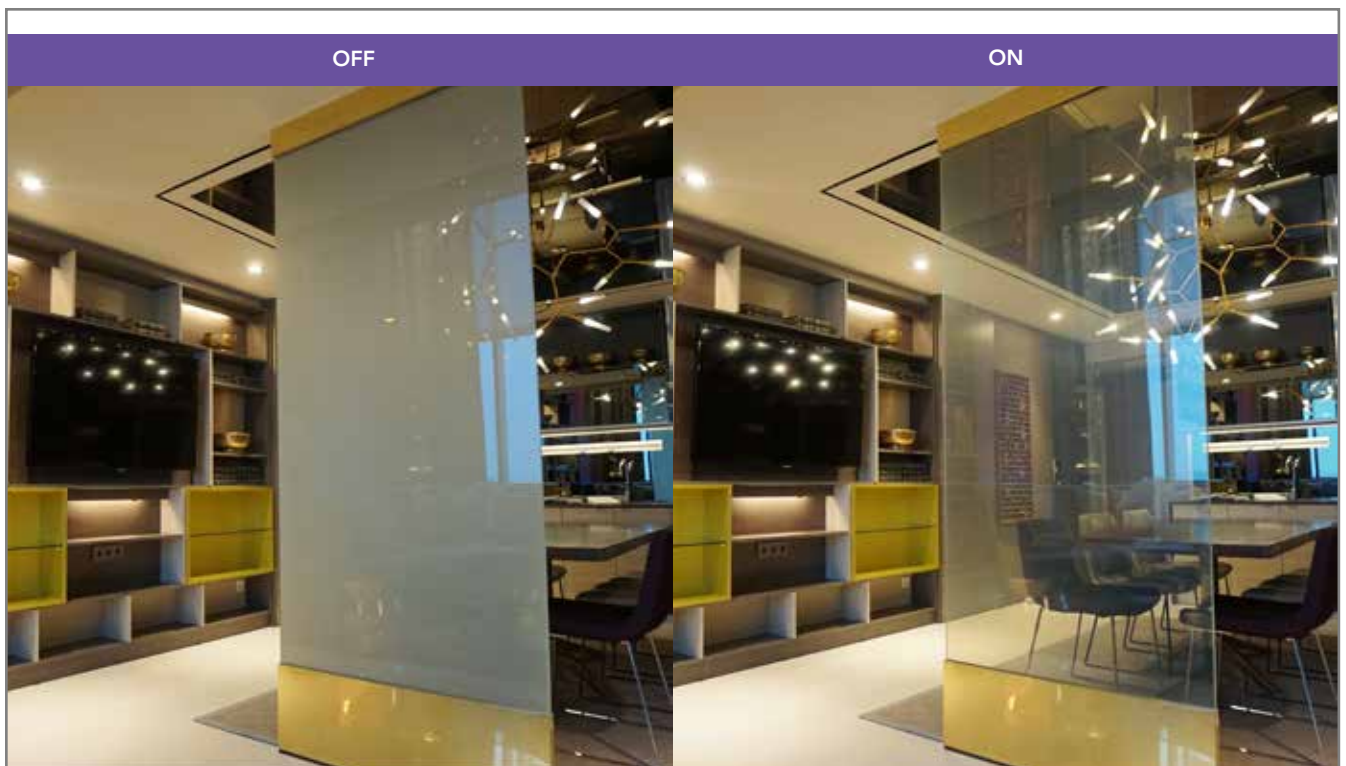
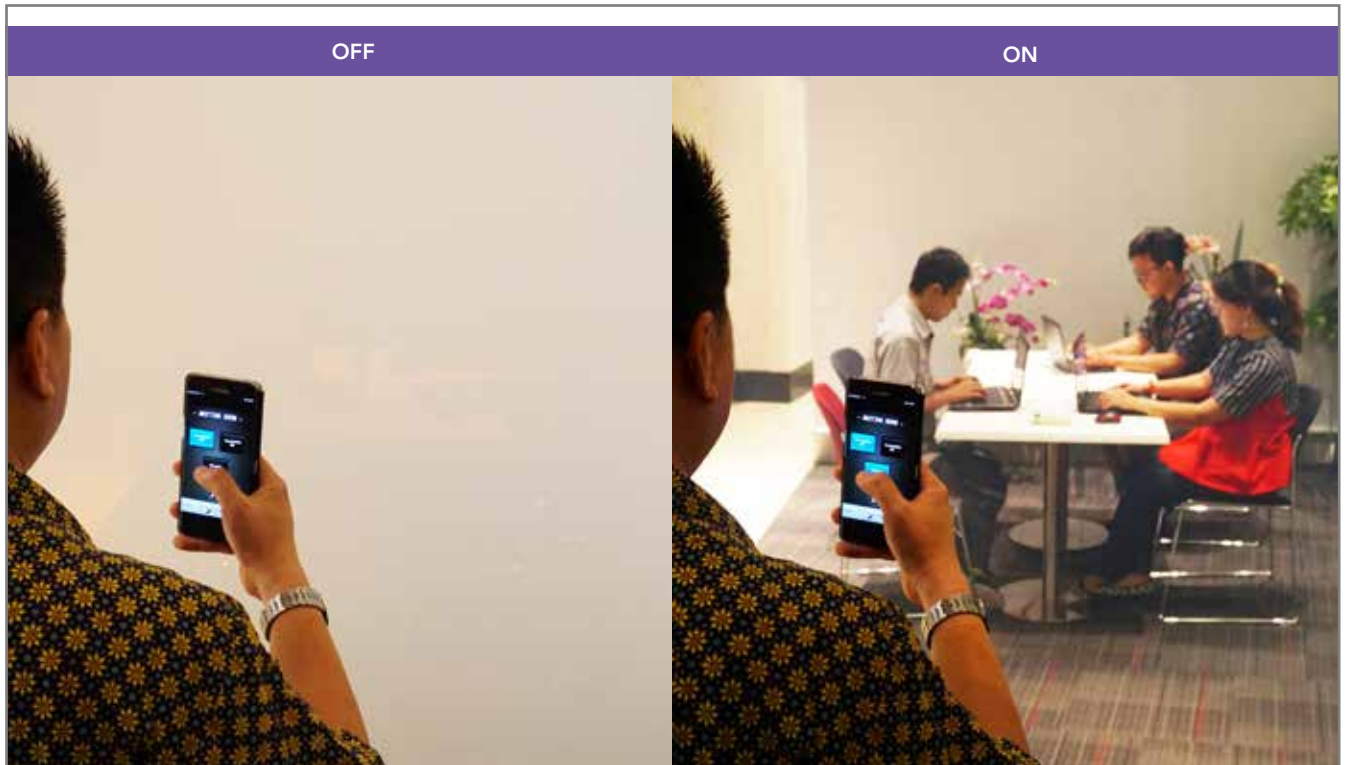
SWITCH GLASS SPECIFICATION

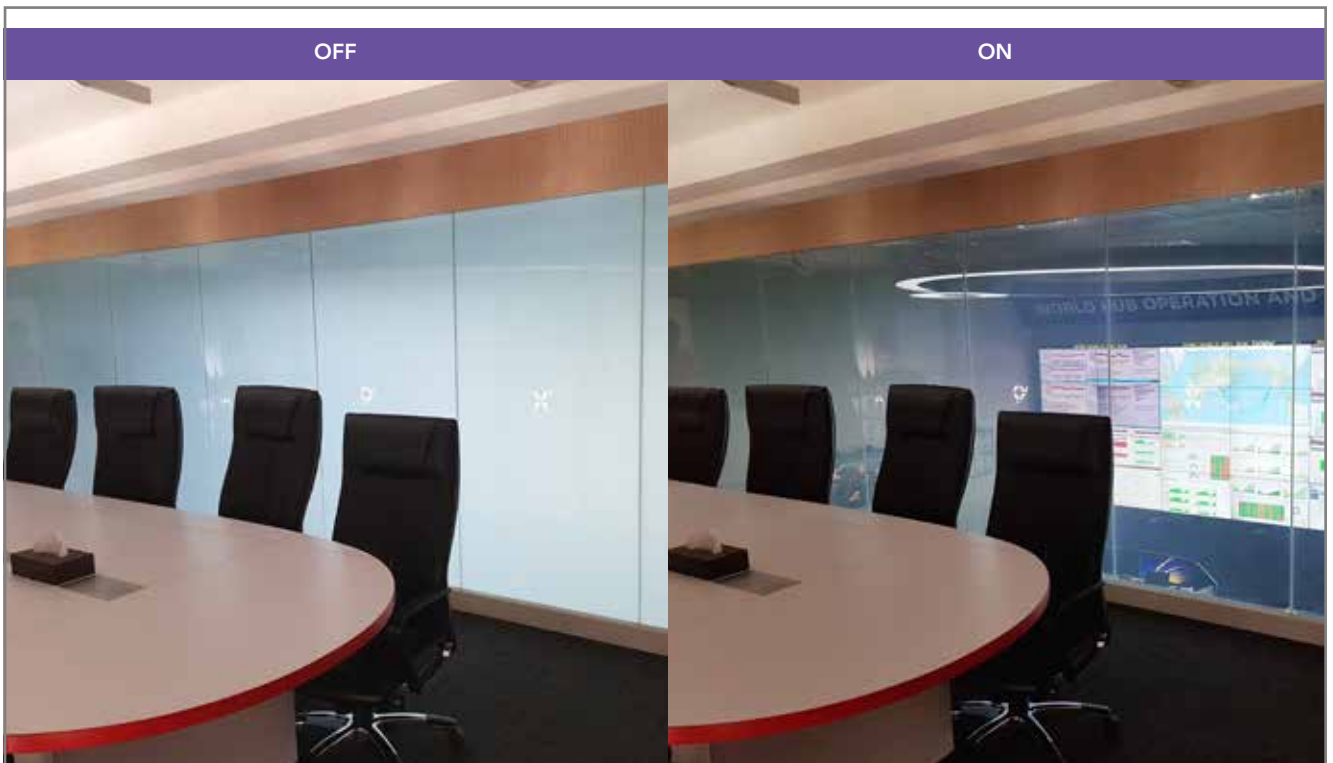
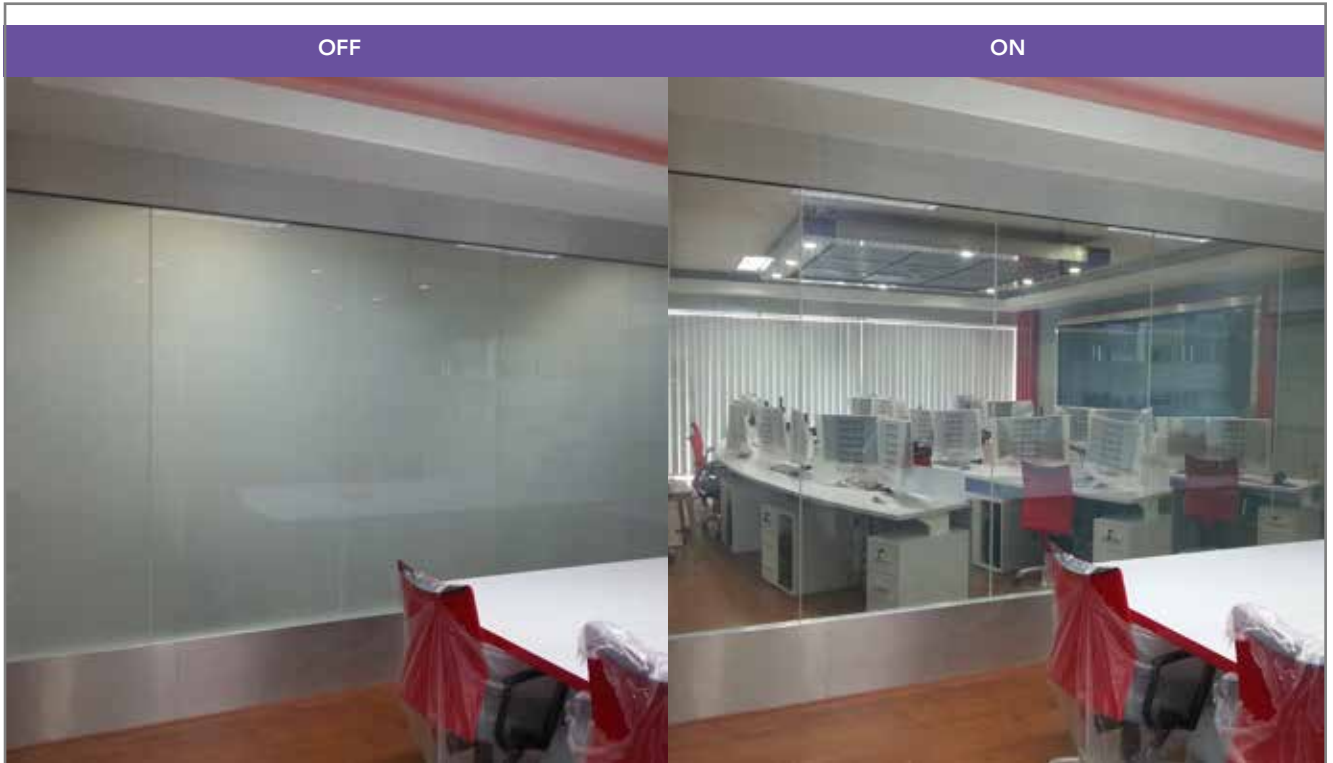
DESCRIPTION	MEASUREMENTS	
	ON / MAX	OFF / MIN
Operation Mode	Transparent / Clear	Opaque
Switching Speed	100 Ms	400 Ms
Light Transmission	80 +/- 1%	7.5 +/- 0.5%
Haze	2.9 +/- 0.5% (On Mode)	
Operating Temperature	-25° C to 85° C	
UV Block	>98%	
Projection Viewing Angle	150°	
Operating Voltage	AC 110 Volts	
Frequency Range	50 - 60 Hz	
Power Consumption	+/- 4 W/m ²	
Standard Size	1000 x 2000 mm	
Custom Size	1200 x 3200 mm (max), 1500 x 3000 mm (max)	
Color Option	Opaque White	

Switch Glass is available in +/- 11mm (5mm Clear Glass + PDLC layer + 5mm Clear Glass) standard thickness laminated glass. Please check availability of glass thickness and sizes upon enquiry

Switch glass memiliki ketebalan standar +/- 11mm (5mm clear glass + lapisan Liquid Crystal + 5 mm Clear Glass). Mohon Mengecek ketersediaan ketebalan dan ukuran sesuai yang dibutuhkan.

APPLICATION





SWITCH FILM

Attach the **Switch Film** directly on the existing glass.
It will produce the same function as **Switch Glass**.

Applications :

- Architectural windows (Interior/Exterior)
- Interior partition, Facade, Shop Front Window, Conference Room, Control Room, TV Studio, Exhibition, Showroom, etc

Features :

- Easy & simple installation (no glass glazing work)
- Lower cost

Tempelkan **Switch Film** pada kaca yang ada dan dapatkan seketika fungsi dari **Switch Glass**

Aplikasi :

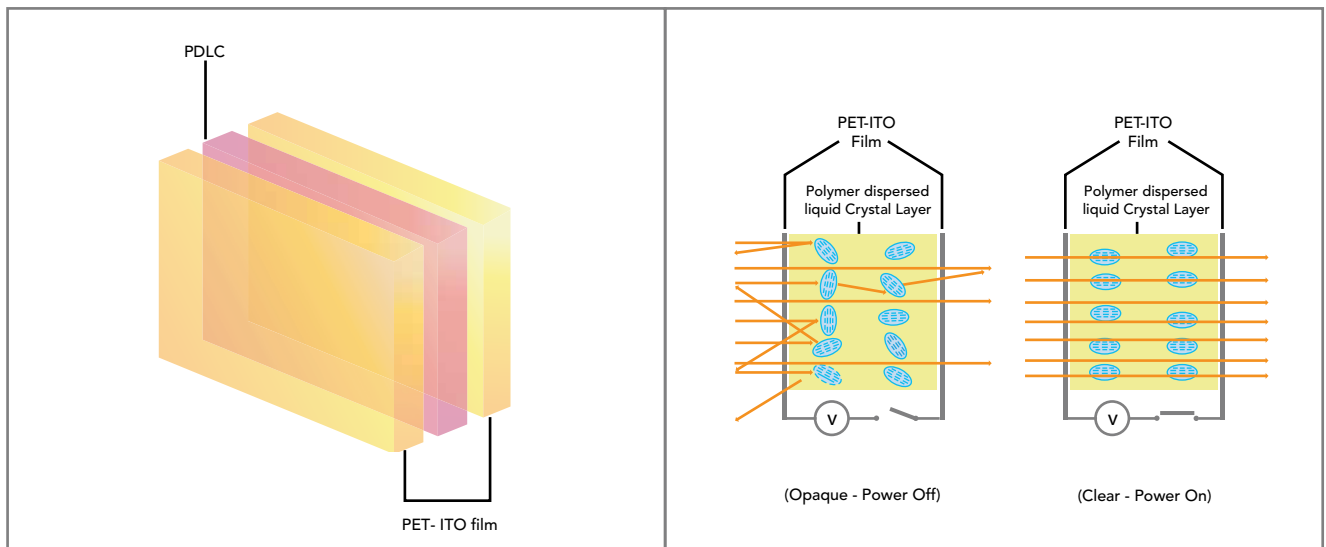
- Architectural windows (Interior/exterior)
- Pembatas Ruangan, Facade, Shop Front Window, Ruang Konferensi, Ruang kontrol, Studio TV, Pameran, Showroom, dll

Keistimewaan :

- Mudah dan cepat dalam pemasangan (kaca yang ada tidak perlu diganti)
- Biaya relatif lebih murah

STRUCTURE

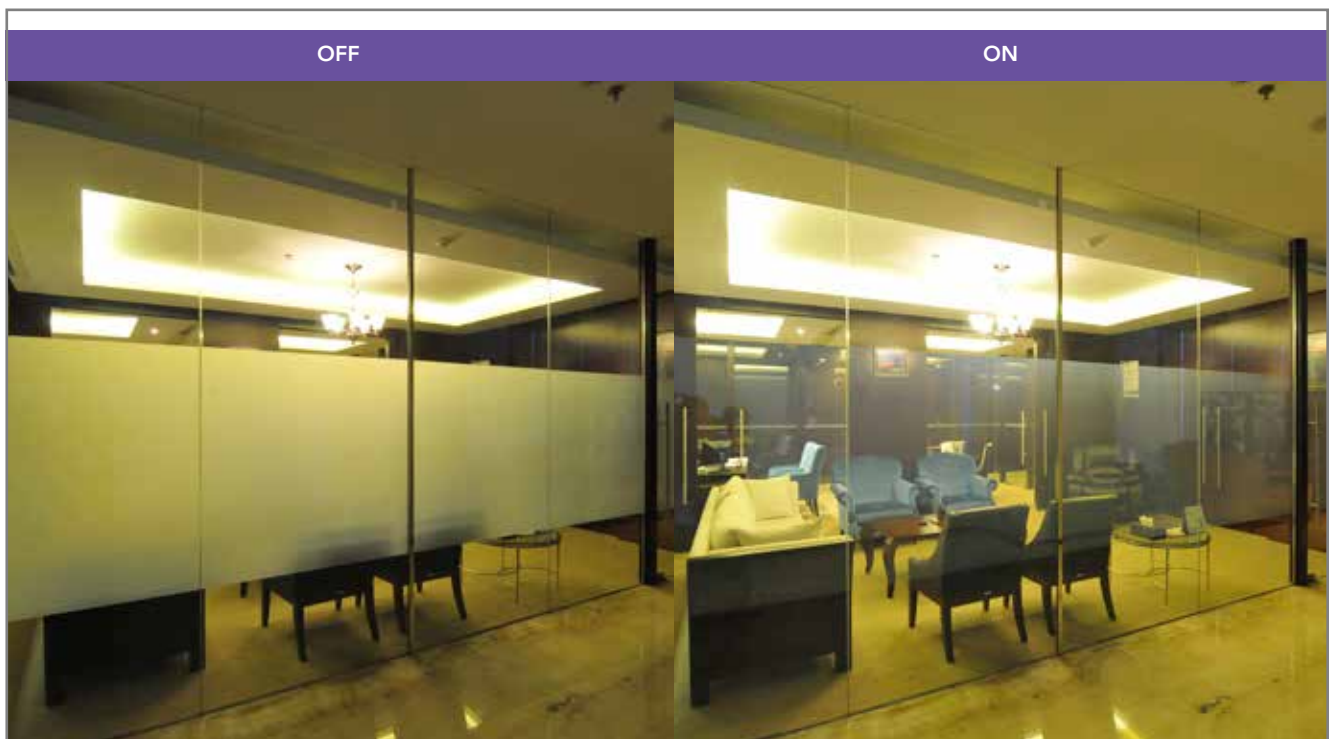
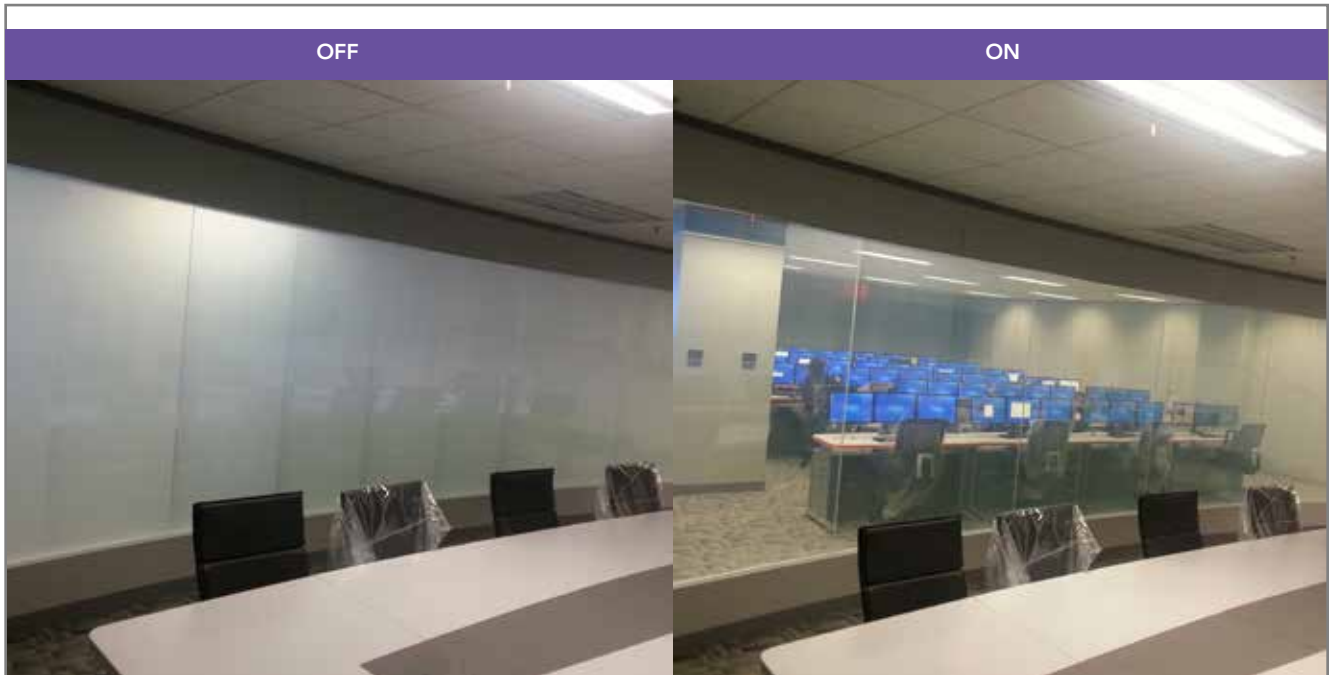
OPERATION PRINCIPLE



SWITCH FILM SPECIFICATION

DESCRIPTION	MEASUREMENTS	
	ON / MAX	OFF / MIN
Operation Mode	Transparent / Clear	Opaque
Switching Speed	100 Ms	400 Ms
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Haze	2.9 +/- 0.5% (On Mode)	
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Projection Viewing Angle	150°	
Operating Voltage	AC 110 Volts	
Frequency Range	50 - 60 Hz	
Power Consumption	+/- 4 W/m ²	
Custom Size	1200 x 3200 mm (max)	
Color Option	Opaque White	

APPLICATION



Disclaimer

*All products are registered trademarks of Himalaya Abadi.

*Product specifications may subject to change at any time without prior notice.

*The color plates shown may vary slightly from the actual product colors due to the limitations of the printing process.

*Please check for available glass color, textures/ patterns, thickness, and standard sheet size upon enquiry

**Semua produk adalah merek dagang terdaftar dari Himalaya Abadi.*

**Spesifikasi produk dapat berubah sewaktu-waktu tanpa pemberitahuan sebelumnya.*

**Warna yang ditampilkan dapat sedikit berbeda dari warna produk yang sebenarnya karena keterbatasan proses percetakan.*

**Mohon mengecek ketersediaan warna, tekstur/ motif, ketebalan dan ukuran sesuai yang dibutuhkan.*

