



SUN BARRIERTM
ALWAYS SHIELDING YOU

YOUR **ULTIMATE** WINDOW FILM SOLUTION
www.sunbarrier.com.my

INTRODUCTION

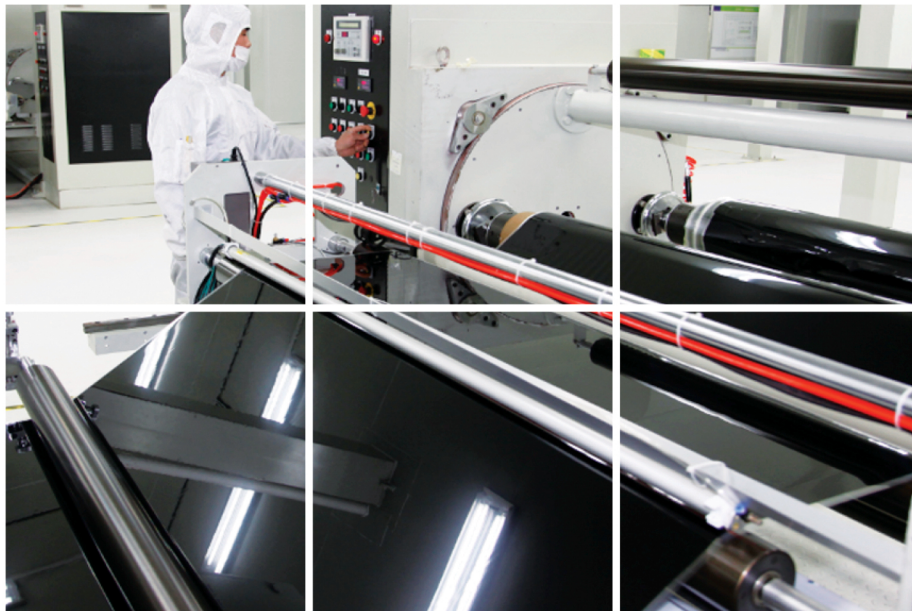
As a team of determined individuals, we strive to offer the best quality automotive, commercial and residential window films for both B2B and B2C. We had the privilege in doing what we do best: providing solutions for all window and glass related issues.

Clients and partners have been supporting in the growth of our business by entrusting us. We are honoured to be able to serve and offer our products and services to the market. We believe in building good customer relationships, providing high quality window film products and to help with any queries and concerns. There's nothing better than quality products and high class service, we can assure you.

Our trained professionals are here to solve any of your home, office and car window film issues. We also provide measuring and installation services for all of our clients to ensure that your experience with us will be smooth, easy and fuss-free. You're in good hands.

PROVIDING THE BEST SOLUTIONS
TO OUR CLIENTS





OUR STORY

Established and officially entered the market in 2012, Sun Barrier™ has come a long way in the window film industry that has been constantly growing and evolving. We are a company that never stops innovating and we work with scientists and researchers from all over the world to create breakthroughs. Hence, this led us to become one of the **first innovative smart film and smart glass distributor** in Malaysia.

We take pride in all of our products and also services offered to both of clients and partners. We've set the standard for excellent service and professionalism in the tinting industry for many years and we are humbled to have opportunities to work with so many great and supportive people that have helped us in achieving our purpose. We want to be game changers in the field, solving challenges no matter how big or small of an impact it makes.

OUR GOAL

We want to create good connections between people and the environment while continuing to grow our business to be recognized as the best window tint/film company in Asia. Growth is important to us and we want to create unique products, offer impeccable fuss-free services and building good relationships by listening and understanding what consumers desire and need. Furthermore, we want to continue spearheading the industry market and identify trends for our long term business planning.

In a nutshell, we aim to make a difference in your life and to be a part of the improvement process and we know that our window films can contribute to making your day just a little better and more comfortable. We want to move with time and continue to develop relevant and up-to-date products for the market.







A MEMBER OF THE INTERNATIONAL WINDOW FILM ASSOCIATION

Sun Barrier™ achieved the Master Accreditation from the **International Window Film Association (IWFA)**. It is a unified industry body consisting of many established window film dealers, distributors and manufacturers that contribute in facilitating the growth of the window film industry by providing research, influencing policies and promoting the importance of window films to the market. The mission of IWFA is to provide value-added services and help protect, sustain and grow our members' businesses.

A BRAND YOU CAN **TRUST**

FIVE STAR SERVICE

We are here to answer any of your concerns and queries regarding any window glass related issues and to advise what is suitable and best for you based on your expectations.

BEST QUALITY GUARANTEED

A wide range of high quality window film products catered for all automotive, residential and commercial buildings. Our products are made using the highest quality raw materials and the most advanced technologies from Germany.





COMMIT. STRIVE. INNOVATE.

COMMIT to our promises. STRIVE for excellence. INNOVATE for the future.

▣▣ EXPERIENCE

Experience, skills and knowledge gained being in the industry for many years serving both B2B and B2C.

▣▣ COMMITMENT

We are a company of promise and endless possibilities. We create a vision and a goal where we aim to push beyond boundaries to meet all of our client's expectations.

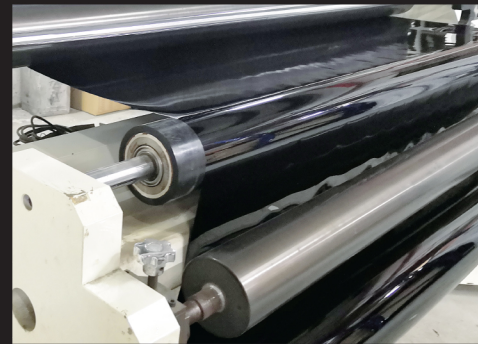
▣▣ TRUST

With our high performance SIRIM certified products, we are one of the pioneers in the industry, being trained and managed by one of the largest film suppliers in Malaysia.

ADVANCED TECHNOLOGY & HIGH CLASS PRODUCT FEATURES

Our products are carefully researched and made using world class coating and adhesion technologies. We work with R&D labs to ensure that our products are consistent and good quality.

In order to achieve superior quality and maintain the consistency of our films, we work with only the finest quality of raw materials to produce the best base film that can withstand longevity and to provide the best features.





RESEARCH AND DEVELOPMENT

■ ■ STANDARD OPERATING PROCEDURE

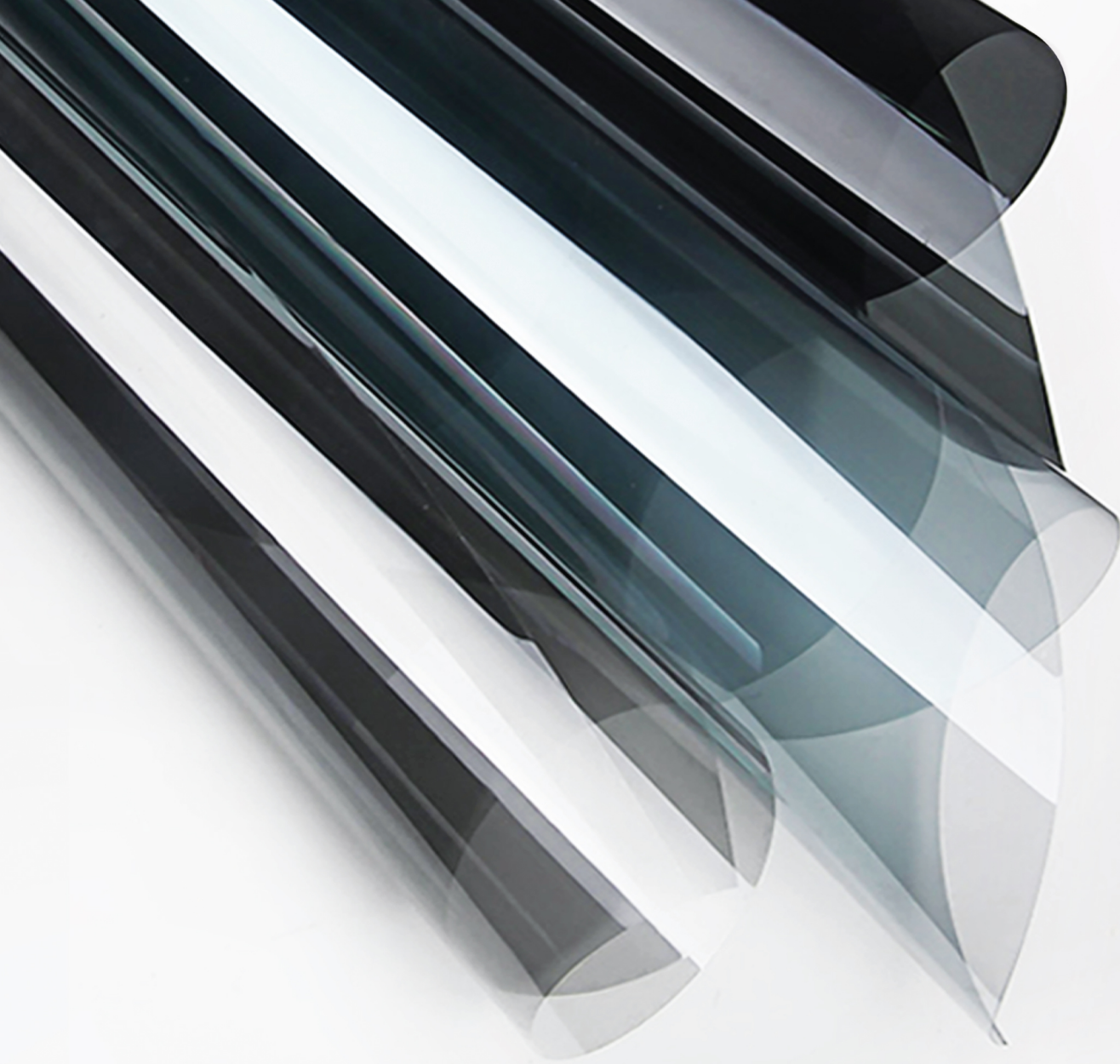
Our processes and methods are important and monitored carefully. All materials used are specifically selected using world-class materials to meet particular specifications, standards and quality.

All processes are precise and are carried out thoroughly to avoid errors. Thus, this ensures that we meet the production timeline and accomplish post-production management and delivery accordingly.

■ ■ DIVERSE PRODUCT OPTIONS

The factors that we take into consideration while developing our products are the current trends, different cultures, geographical and environment preferences, requirements and prerequisites.

As we understand that each region and nation is subject to totally different lifestyles and surroundings eg: weather, economy, geographics etc, we want to fulfil our objective by extending and diversifying our products to cater and to ensure that it is suited to majority of the consumers.



STRICT QUALITY CONTROL

Before a product is introduced to the market, it takes months or even years for the research team to come up with a product that is suitable and appropriate for the market.

Prior to manufacturing, the film specifications expected by our team are carefully modified and tweaked accordingly to ensure the best products are being created. Samples will be made for final checking and once it's approved, mass production will begin.

When the films are being produced, they will be monitored every step of the way until the final step to guarantee quality and consistency.

The films will then be analysed and tested by our professional team for the final time before they're certified to be sold to the market. Sun Barrier™ uses its own test procedures, which are strictly monitored by our quality assurance team.

INTERNATIONAL PARTNERS

Over the years, we've recruited partners from all around Asia to help in growing our business and we are always open to expanding further. We have exported to Indonesia, Singapore, Brunei, Vietnam and Thailand.



SINGAPORE



VIETNAM



INDONESIA



THAILAND



BRUNEI





HOW ARE
WE DIFFERENT FROM
OTHER BRANDS?



RENOWNED AND ESTABLISHED

Sun Barrier™ has been in the industry for a long time and we've worked with many clients and partners from different industries. When it comes to offering best quality performance window films in the industry, we can safely say that we are one of the best.



PIONEER IN INNOVATION AND TECHNOLOGY

We are one of the industry's leading brands that has persistently introduced new state-of-the-art window film products to the market. Previously, we were the first to introduce Sun Barrier™ UV400 window films and as of now, we've introduced the latest Sun Barrier™ Smart Film, Smart Glass, Colourful Smart Glass and the brand new cutting edge film called the Magnetron Sputtering Film, which is made from 99.99% of pure silver. Compared to the current sputter films that are in the market, our Magnetron Sputtering Film is stronger and better with upgraded specifications.



QUALITY CONTROL AND ASSURANCE

All products are tweaked and tested accordingly pre-production. Hence, the products will not be approved for production if the quality and features are not developed properly. We are proud to present our latest 'oxidation-preventing coating' technology, which is the front-edge development that minimizes the film's oxidation and improves the durability of our window films. To confirm further, we've performed an 'oxidation test' on our window films and the process is to expose high solar radiations, ultraviolet rays, visible rays and infrared radiations onto our window films as those are the ones that can influence the oxidation and the film's lifespan. The results showed that our window films did not oxidise nor fade quickly.

THE FUTURE OF WINDOW FILM TECHNOLOGY

TRANSFORM YOUR SPACE INTO SOMETHING EVEN
MORE SPECTACULAR



SMART FILM
SMART GLASS
COLOURFUL SMART GLASS



POWER ON



POWER OFF

POWER ON



POWER OFF



SMART

THE INNOVATION IS HERE

T FILM



TAKE CONTROL ON HOW YOU WANT YOUR SPACE TO LOOK
WITH JUST A BUTTON





TAKE CONTROL AND TRANSFORM YOUR SPACE INTO SOMETHING EVEN MORE SPECTACULAR

What is Sun Barrier™ Smart Film? Smart Film which is also called Polymer Dispersed Liquid Crystal (PDLC) is a thin film where it can be installed onto any existing glass. It changes its visual appearance from frosted to transparent by a simple remote control. Our film is frosted when powered off and transparent/clear when powered on.

Sun Barrier™ smart film comes in a variety of colours. We offer a complete hard wired system that is made-to-order as well as a Plug and Play system. It is compatible with smart home automation systems, screen projector features and on top of that, it provides up to 99% UV radiation and heat rejection.

Dimension & Appearance: Maximum size: 1800mm (width X unlimited length)

Thickness: 0.4mm

Scratches: None

Bubbling: None

Bubbling: None

OFF state: 88% haze

ON state: 2% haze

UV rejection: 99% (power off)

Infrared rejection: 80% (power off)

Key Features:

- Quick and easy installation
- Switches from clear to frosted, frosted to clear
- Provides privacy and security
- Provides heat rejection and UV protection
- Durable & reliable
- Easy to maintain
- Plug and Play and projection screen system
- Reduces glare
- A variety of colours



SUITABLE FOR BOTH
RESIDENTIAL AND COMMERCIAL BUILDINGS

■ Luxury Villas/Suites/Private Rooms ■ Residential Homes ■ Office Partitions ■ Conference Rooms ■ Hospitals/Clinics ■ Hotels ■ Restaurants/Cafes



SUN BARRIER™ SMART GLASS

PRIVACY • COMFORT • STYLISH

Sun Barrier™ Smart Glass is a state of the art laminated glass with Polymer Dispersed Liquid Crystal (PDLC) film sandwiched in between two layers of glass and two layers of conductive interlayers. The PDLC film is what allows you to change the visual appearance of the glass from frosted to clear.

Our CE approved technology provides unprecedented control over the amount of light, privacy and heat that enters a space and is ideal for residential homes and commercial buildings, from bedrooms, bathrooms to even meeting rooms etc. It also offers characteristics such as high transparency, protection against infrared thermal radiation and sound cancelling.

Sun Barrier™ Smart Glass is available in a variety of shapes, sizes, compositions and is compatible with image projection and smart home automation systems.

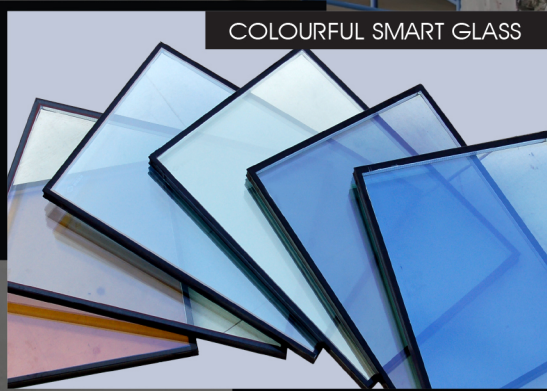
COLOURFUL SMART GLASS

Sun Barrier™ Colourful Smart Glass is similar to our standard Smart Glass but the difference is that this comes in a variety of colours, allowing our clients to express themselves and envision how they want their space to look. This truly opens up the era of diversification where you can challenge your creative minds and create your own unique space that suits you best.

SMART GLASS

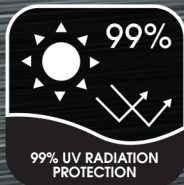


COLOURFUL SMART GLASS



SUN BARRIER™ HIGH PERFORMANCE WINDOW FILMS

Sun Barrier™ is one of the leading automotive, residential and commercial window film company in Malaysia.



SPUTTER FILM

Advanced Germany Technology



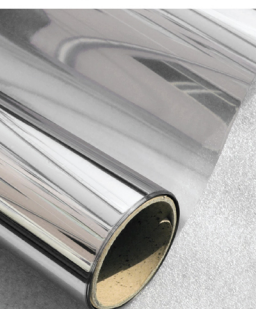
CERAMIC FILM

High Optical Density Resolution



SECURITY FILM

Nano Ceramic Construction



SILVER FILM

Two-Way Mirror Privacy



CHIP DYED FILM

Long Lasting Colour Vibrance



ANTI FOG FILM

Outstanding Optical Clarity



1

MAGNETRON SPUTTER FILM

Advanced German Technology





■ ■ HIGH PERFORMANCE PRODUCT FEATURES

Using the world's best coating and sputtering technologies, Sun Barrier™ retains the best standards in the market with a diverse range of specifications and colour options to choose from. The premium collection ranges from Multilayer Magnetron Sputter Film, Ceramic Film, Chip Dyed Film and Safety Film. We run our productions at a rapid speed, producing the best quality products without compromising quality standards. Our products:

- Resolve imbalanced indoor temperatures while maintaining comfort
- Improve fuel efficiency of air conditioning by blocking radiant solar energy
- Are durable against discolouring and fading
- Offer strong heat rejection performance
- Provide protection against harmful UV rays
- Deliver security and safety protection

■ ■ THE ULTIMATE PROTECTION AGAINST UV RAYS + HIGH IR REJECTION

Ultraviolet rays can cause a lot of damage to the skin and eyes. Sun damage to the skin, eyes and furniture/upholstery is more than just from ultraviolet rays. Infrared (IRA) can penetrate into the skin and eyes, even reaching the underlying tissue and layer and accelerate skin ageing, sunburns, cataracts and blurred vision to name a few. The aging of furniture is also due to constant UV rays penetrating through, causing discolouration, peeling and flaking over a period of time. Our window films are the ultimate solution to prevent damages and harm to not just your body but also the environment and your belongings.

SUN BARRIER™ MAGNETRON SPUTTER FILM

USING MULTI-LAYER PRECIOUS METALS AND 99.99% PURE SILVER

Sun Barrier™ Magnetron Sputter Film is created using our leading-edge sputtering technology, with up to 15 layers of precious metals built into micro nanoparticles precious metal (eg. silver, gold) coating using optical grade base materials.

As such, this results in high degrees of insulation and clarity with low refraction through isolation and screening of heat and light in different metals. The unique high reflection properties of precious metal particles give the thin layer of film the ultimate high heat rejection.



99.99% Pure Silver



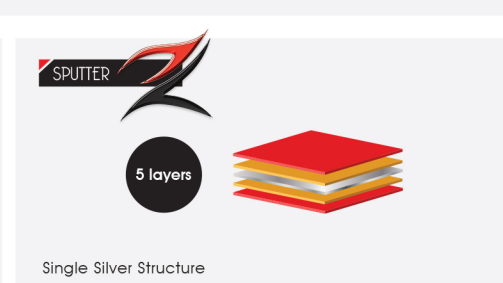
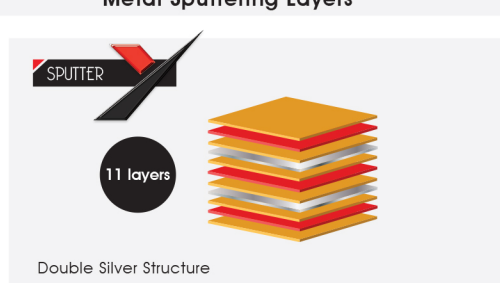
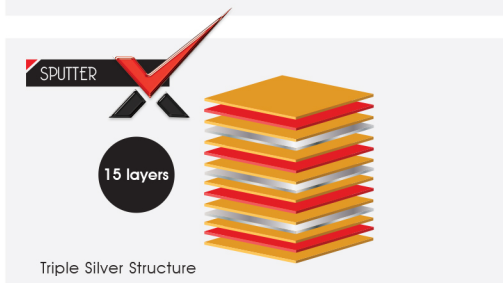
Metal sputtering layers

OUR INNOVATION AND VISION, PROFESSIONALLY DEVELOPED.

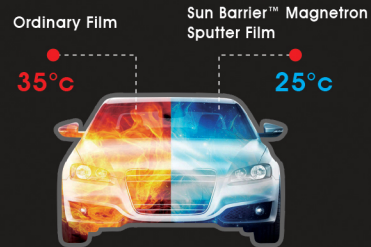
With years of research and development, we have worked with many partners and analyst around the world to create one-of-a-kind products to distinguish ourselves from others. Hence, we have the capability to produce and offer unique window film specifications and features ranging from film thickness, colour, insulation and rejection percentage etc.

We are offering the next level of sputter film called the Sun Barrier™ Magnetron Sputter Film, which consists of 99.99% pure silver. By using 99.99% silver and other precious metal particles as layers, the features are pretty amazing, to say the least. It offers high heat rejection, UV and IR rejection, superior visual clarity, low light reflectivity, privacy and glare reduction. All these features in one solid thin film. It's pretty impressive.

Metal Sputtering Layers



Sun Barrier™ MAGNETRON SPUTTER FILM



OPTIMAL HEAT REJECTION

Providing comfort and protection from solar heat, keeping your space cool.



HIGH UV RADIATION + IR REJECTION

Reflecting harmful UV and infrared rays from entering that can cause damage to your skin, eyes and furniture/upholstery.



GLARE REDUCTION + SUPERIOR CLARITY

Eliminate unwanted glare and allowing natural light to pass through the glass and ensuring optimal clarity and visibility.



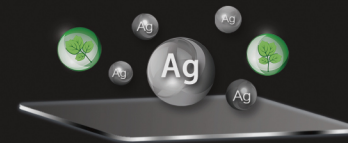
ENHANCED PROTECTION

Prevents glass shatter from falling during breakage that can cause harm.



FUEL AND ENERGY SAVING

Reduce consumption and cost of fuel and electricity expenses, making your car/home/office more energy efficient.



SAFE FROM HARMFUL COMPOUNDS

Made from 99.99% of pure silver and does not contain any harmful volatile compounds.

2

CERAMIC FILM

High Optical Density Resolution





■ CERAMIC FILM

Ceramic film is neither dyed nor metallized. It is created using the latest nano-ceramic technology incorporating microscopic metal oxide particles. Ceramic film is considered new in the market but has already proven its worth in terms of performance and reliability.

Ceramic film does not disrupt any form of signals and it helps in eliminating glare, blocking 99% UV rays, prevent fading and is also shatterproof. These types of films contain exceptional infrared (IR) reflective properties. This allows the film to reject solar heat at a higher rate compared to traditional films normally used to produce window film while maintaining the highest levels of optical clarity. Many of the ceramic films, even when placed in the laminating layers of window film, are almost colourless.

- Blocks 99% of UV rays
- Neither dyed nor metallized
- Shatterproof
- No signal disruptions
- Preserving the integrity and appearance of historic buildings
- Energy saving
- Facilitate in improving heat effectiveness through heat retention
- High optical density resolution

3

SECURITY FILM

Nano Ceramic Construction





■ SECURITY FILM

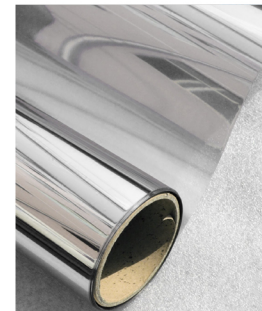
Security window films have the ability to stretch before it actually starts tearing. This one-of-a-kind sturdy film can withstand and absorb significant amounts of shock and pressure. Hence, it will take a lot of effort for burglars to actually break in.

The security film will reduce the damages and dangers of glass shards flying throughout the car interiors or even home/office spaces. This film also provides protection from harmful UV rays, while allowing sunlight to shine through.

- Nano Ceramic Construction which increases the longevity of the film
- Superior solar heat/infrared rays rejection of up to 75%
- No signal disruptions and it is compatible with GPS and radio signal devices
- Reduces Glare
- Blocks 99% of Harmful UV Rays
- Reduces interior fading and protects your skin and eyes

SILVER FILM

Two-Way Mirror Privacy



■ SILVER FILM

Silver reflective window films are one of the best performing and most widely used solar control window films in the market. It reduces high levels of incoming solar heat and glare which can significantly improve your working/living conditions. It reduces air conditioning usage, hence a reduction in energy costs. Silver films create a more comfortable space, providing privacy where no one can see through from the outside but you can enjoy uninterrupted view from the inside.

Furthermore, due to the appearance of the film, it can easily improve your home/office aesthetics. The film also filters out virtually all UV rays, protecting your home fabrics and furnishings. The 20 and 35 percent versions are extremely popular for commercial buildings. Besides all these good features, silver film acts as a security film as well.

- Creates a two-way mirror privacy
- Provides excellent heat and glare rejection
- Has security film features
- Improves energy efficiency
- High performance UV radiation protection
- Upgrades the look of your space

5

CHIP DYED FILM

Long Lasting Colour And Vibrance



■ ■ CHIP DYED FILM

Sun Barrier™ Chip dyed films offer a brilliant appearance as they are manufactured through a unique coating method. It is prepared through an extrusion process, where the colour chips are melted and placed on the film. This process assists in ensuring that the colour of the film lasts longer. It also prevents them from discolouration and projects superior quality appearance.

The films are produced by using colour PET chips. The chips are embedded into the film instead of colour coating it on the outside of the transparent film. Chip dyed PET film has an outstanding light transmittance which can efficiently reduce harsh glare, no matter day or night.

- Block 99% of infrared rays
- Help to prevent discolouration of interior and furniture
- Prevents cracking and flaking
- Do not hinder radio or navigation system signals
- Guard privacy and improves aesthetics
- Facilitate in improving heat effectiveness through heat retention
- Scratch resistant
- High optical density resolution
- Used for automotive, residential and commercial buildings



ANTI FOG FILM

Outstanding Optical Clarity



■ ■ ANTI FOG FILM

SUN BARRIER™ commercial and industrial anti-fog coated films have multiple benefits. It causes moisture to spread into an even layer so that it will not form mist drops and water vapour which can interrupt your vision. Anti-fog improves the visual clarity of mirrors/glass and prevents windows from steaming. This is appropriate for automobiles, offices and residential buildings. Additionally, our anti-fog coated films are easy to install and maintain with common household cleaners. Furthermore, the film is scratch resistant, it can withstand impact and it has anti-static properties.

- No foggy vision
- No steaming of mirrors/glass
- Easy to maintain with normal household cleaners
- Scratch resistance
- Withstand impact
- Adapt for both cold and hot environment
- Anti static

OUR CLIENTS AND PARTNERS



Mercedes Benz Balakong



Hilton Hotel Petaling Jaya



KPMG Bandar Utama



Hong Leong Bank Federal Highway



Four Points Sandakan



CIMB KL



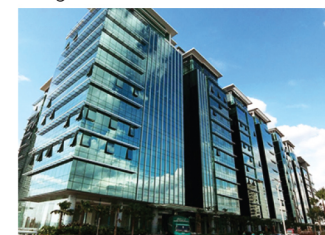
Bomba Putra Jaya



Quill 7 KL Sentral



Bangsar South



Aloft KL Sentral



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