

We Created the Best for You!



Even luxurious cars cannot provide the best comfort under the sun until we put our finishing touch to it.



Thank you! Raytech

We deliver excellence in the highest levels.

Raytech is the product and service promise to the customer, when it comes to select the right solar control film, Raytech is the guarantee and expectation fulfilled. Our company direction is to deliver high performance product, precise information, best quality of work-manship, and trust to our customer.

To ensure quality control, Raytech genuine product is imported from USA and printed with "Raytech" trademark on the film itself in the manufacturer plant before sending to each outlet.

Raytech films feature superior quality construction and more durable in solar rejection performance compare to other brand in this industry. Every single piece of Raytech film is warranty and backup by Raytech in 7 years . We ensure every customer driving in cool and comfort journey with Raytech Solar film.

We building loyal customer from time to time.



A photograph of two scientists, a woman and a man, in white lab coats working in a laboratory. They are looking at a computer monitor. A semi-transparent dark blue box is overlaid on the right side of the image, containing text. In the foreground, there is a molecular structure diagram with nodes and connecting lines, some labeled 'TiN'.

Nano Ceramic-Metal Octahedral Films

After decade of extensive research and development, Raytech surprisingly discover an innovative Nano Ceramic Metalized Film which is the combination of metal and ceramic element to form stable Octahedral structure molecule.

Such amalgamation will combine the advantages of both metal and ceramic elements. Metal elements are prominent for heat control performance due to their reflective nature while ceramic elements are well reputable for their material stability. Nano Ceramic Metalized Films are not only technologically advanced by Raytech; they are superior in outstanding heat control performance, high optical clear vision and longer durability.

Raytech Security Film

Safety and security films are usually used to improve the performance of the glass for protection against human impact, bomb blasts, natural disaster, intrusion or seismic activity.

The Safety film is attached to the glass with extremely aggressive pressure sensitive adhesive. When stress causes the glass to break, the film has ability to stretch and absorb some or all of the energy generated by the stress. The result is that the broken glass may remain intact within the framing system preventing shards of glass becoming lethal projectiles.

However, only **4mil to 6mil** thickness security film in **best fit** for **automobile window** use to avoid the disrupt of the power window opening in all vehicle. Safety film is always described in term of "mils", which is a measurement of thickness as one thousandth of an inch (1 / 1000 inch). One mil equals 25.4 microns.

Solar Security Film is a name gaining in favor for a relatively new category of Safety Film that offers significant solar heat and UV control in addition to the understand protection benefits of clear safety film. These "tinted" film come in varying light transmissions and thickness.



SHATTER PROOF REDUCE INJURY

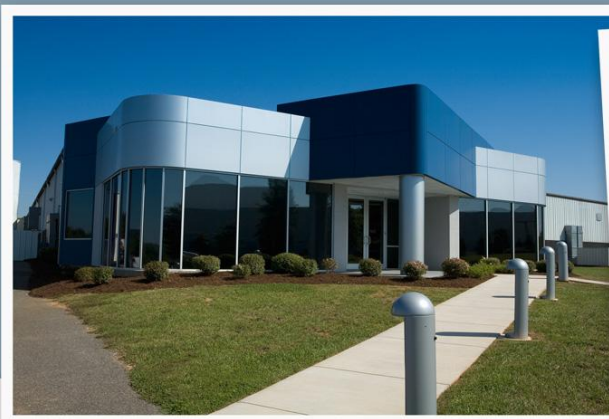
Raytech Safety films hold strong on shard of glass to prevent it from becoming lethal weapon.



Raytech International Window Film

Since the company's founding, Raytech International Windows Film has operated under the basic principle of "Quality Comes First". This is the motivation behind everything we do for our customers and is defined by three primary components: Innovative, speed and teamwork. We believe that leadership is about behavior, and we recognize that trust is earned over a long period of time by consistently delivering on our promises.

Raytech International Windows Film sets ambitious, long-term goals for every aspect of our global business and work continuously on specific programs to achieve them. To date, we have met or exceeded all of these goals – With our USA based manufacturer and cutting edge technology, we made meaningful progress in increasing products' efficiency, reducing energy use, cutting greenhouse gas emissions, and slashing waste from operations.



Raytech International Window Film



World Class Manufacturer

All Raytech Window Films are exclusively manufactured in the United States at our world-class facility in Martinsville, Virginia. At this site, Commonwealth Laminating and Coating, Inc has invested in a broad range of production and manufacturing equipment including precision laminating and coating machinery, and a state-of-the-art dyed film line. In Addition, our technical team of engineers and chemists has developed a wide range of innovative and proprietary technology that is exclusively available to our customers.

Over the years, we have built the most technologically advanced window film manufacturing facility in the world. This cutting edge facility is the cornerstone of our commitment to innovation, advanced engineering, and the window film industry.

Premium Series

Centurion RX



	Normal	Black
Film Thickness	6mil	6mil
Visible Light Transmittance	60%	38%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	98%	98%
Total Solar Energy Rejection	62%	67%

Evaluation according to the following test methods/standards:

- Small Missile Impact Test – ANSI Z-97.1 and CPSC 16 CFR 1201
- Large Missile Impact Test & Cyclic Window Pressure Tests –
- ASTM E 1886-02/ASTM E 1996-03, Level C, 4.5lb 2" x 4"
- GSA Explosive Test – GSA-TS01-2003
- Flame Spread and Smoke Developed Test – ASTM E-84

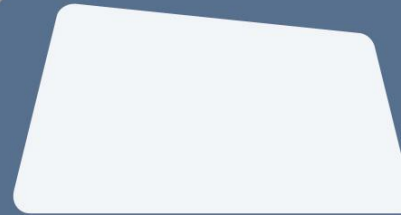
6mil Security Film Physical Properties

Thickness	6mil/ 152μ
Single or Multi-Ply	Multi
Tensile Strength	36,000psi
Break Strength	195lbs/inch
Elongation at Break	>100%
Peel Strength	2850g/inch
Puncture Strength	136lbs



Security Film

Centurion QX



	Normal	Black
Film Thickness	5mil	5mil
Visible Light Transmittance	60%	38%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	90%	90%
Total Solar Energy Rejection	58%	60%

According to **IWFA** definition of safety film, safety film ranges in thickness **4 mils** to upwards of 15 mils and thicker. The varying thickness is achieved by mechanically laminating multiple layers of film together with aggressive adhesive coatings. However, only **4mil to 6mil thickness safety film** is **best fit** for **automobile window use** to **avoid the disruption** of the **power window** opening in all vehicle.

Solar Security Film is a name gaining in favor for a relatively new category of Safety Film that offers significant **Solar Heat and UV Control** in addition to the understand protection benefits of clear safety film. These “tinted” film come in varying light transmissions and thickness. For automobile window film, Raytech only apply 4mil to 6mil thickness security film on car windows.



SHATTER PROOF REDUCE INJURY

Raytech Safety films hold strong on shard of glass to prevent it from becoming lethal weapon.

5 mil Security Film Physical Properties

Thickness	5mil/ 126 μ
Single or Multi-Ply	Multi
Tensile Strength	34,000psi
Break Strength	160lbs/inch
Elongation at Break	>100%
Peel Strength	2800g/inch
Puncture Strength	120lbs

Security Film

Raytech MX



	Normal	Black
Film Thickness	5mil	5mil
Visible Light Transmittance	59%	39%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	85%	85%
Total Solar Energy Rejection	56%	57%

Raytech FX



	Normal	Black
Film Thickness	5mil	5mil
Visible Light Transmittance	58%	39%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	75%	75%
Total Solar Energy Rejection	48%	50%

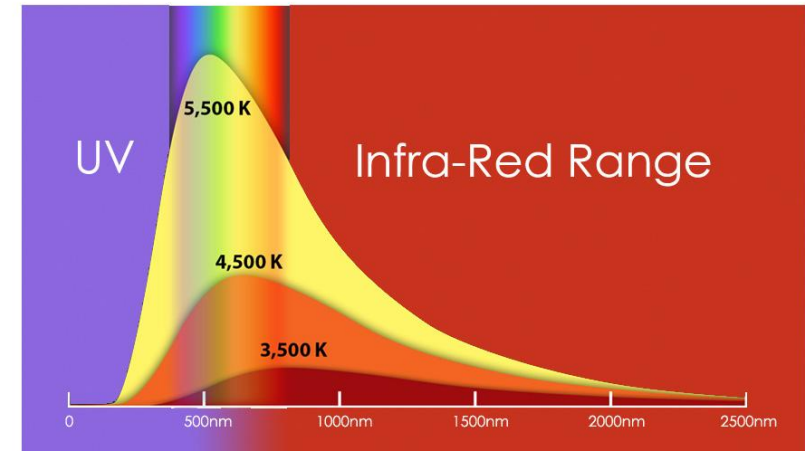
Raytech AX



	Normal	Black
Film Thickness	5mil	5mil
Visible Light Transmittance	58%	38%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	65%	65%
Total Solar Energy Rejection	40%	43%

Natural Light Spectrum

Light is travel in EM - electromagnet wave from Sun to earth. But only certain wavelength lights are visible to human eyes, and we called as "Visible Light" which is in the range of 380nm to 780nm. On the other hand, in light spectrum the ray which is invisible to human eye consist of Ultra Violet Light and Infra-Red Light.



Infra-Red (IR)

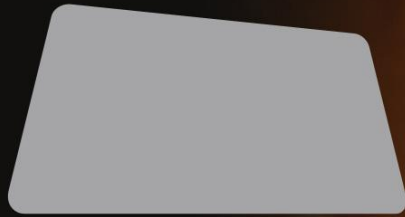
Infrared (IR) radiation is electromagnetic radiation of a wavelength longer than that of visible light, but shorter than that of microwaves, which between 750nm and 1mm. Infrared radiation is popularly known as "heat" or "heat radiation", since most people attribute all radiant heating to infrared light and / or to all infrared radiation to being a result of heating. Infrared light from the sun only accounts for 54% of the heating of the earth, the rest being caused by visible light that is absorbed then re-radiated at longer wavelengths.



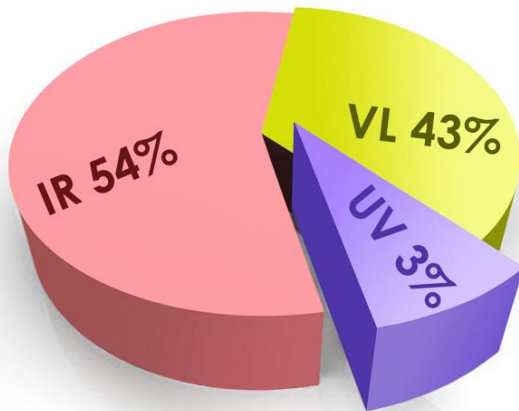
Ultra-Violet (UV)

Ultra Violet Light (UV) is electromagnetic radiation with a wavelength 280nm – 380nm, which is the shortest waverange. However, these high frequency waves are piercing and harmful to us. In humans, prolonged expose to solar UV radiation may result in acute and chronic health effects on the skin, eyes and immune system. It contributes to aging of skin, darkening of skin, DNA damage and possibly skin cancer. For the other effects of UV radiation, many polymers (plastic) used in consumer products, and paint pigment or dye will be degraded by UV light.

Raytech Ultra 70



Film Thickness	2mil
Visible Light Transmittance	73%
Ultra Violet Rejection	99%
Infra Red Rejection	95%
Total Solar Energy Rejection	58%



Solar Energy Distribution

Solar properties for fenestration systems are calculated following recommended industry standard procedures. The recommended procedures and solar properties for the window film industry are stated in AIMCAL documents. The figure below shows the direct solar energy distribution. This shows the contribution to the SHGC of each spectral region to any given glazing system.

Figure complete Solar Spectrum. The use of performance data from any single region example Infra-Red (IR) should not be considered representative of the total solar heat gain performance of any product.

Total heat control performance comparisons between glazing systems can be done using the Solar Heat Gain Coefficient (SHGC). The US Department of Energy, the Energy Star Program, the International Code Council and the National Fenestration Rating Council require the use of the SHGC. The SHGC provides the consumer with a tool to compare the total heat gain of different glazing systems.

The lower the number (less heat gain), the better the solar control performance. The SHGC includes the contribution of the UV, VIS and IR spectral regions and can be used to determine the solar control performance over the whole light spectrum.

Raytech RC

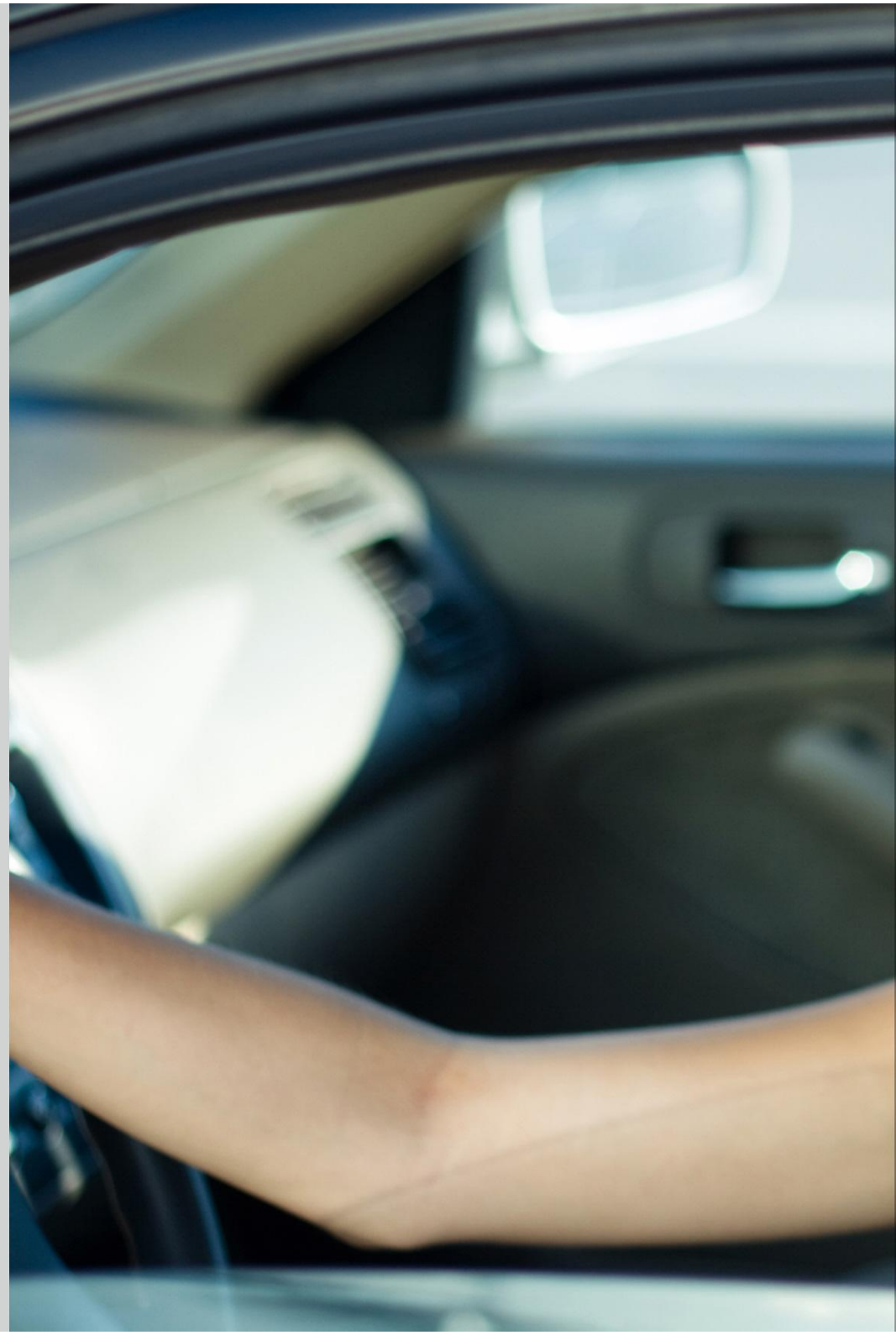


	Normal	Black
Film Thickness	2mil	2mil
Visible Light Transmittance	58%	38%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	95%	95%
Total Solar Energy Rejection	62%	67%

Raytech QC



	Normal	Black
Film Thickness	2mil	2mil
Visible Light Transmittance	60%	38%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	90%	90%
Total Solar Energy Rejection	57%	60%





Solar Film

Raytech windows film is the perfect answer for automobile owners who are seeking for the best driving comfort. It delivers optimal comfort, style and performance all in a go. Now all owners can enjoy the luxury and pleasure of their vehicles that they deserve.

Solar Protection

The unparalleled performance from Raytech windows film offers significant heat rejection to your vehicle. It can greatly reduce your vehicle's interior temperature as much as 20°C (30°F) thus providing a higher level of comfort to you

UV Protection

UV rays that are not visible to our naked eyes can damage your vehicle's interior fabric and cause skin cancer. By blocking 99.9% UV ray, Raytech windows film offers protection to both of you and your vehicle's interior.

Elegant Appearance

We offer a wide selection of color tints and shade choices to match your vehicle, giving your vehicle a sexier more stylish look.

Raytech MC

	Normal	Black
Film Thickness	2mil	2mil
Visible Light Transmittance	59%	39%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	85%	85%
Total Solar Energy Rejection	55%	57%

Raytech FC

	Normal	Black
Film Thickness	2mil	2mil
Visible Light Transmittance	58%	39%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	75%	75%
Total Solar Energy Rejection	48%	50%

Solar Film



Raytech AC

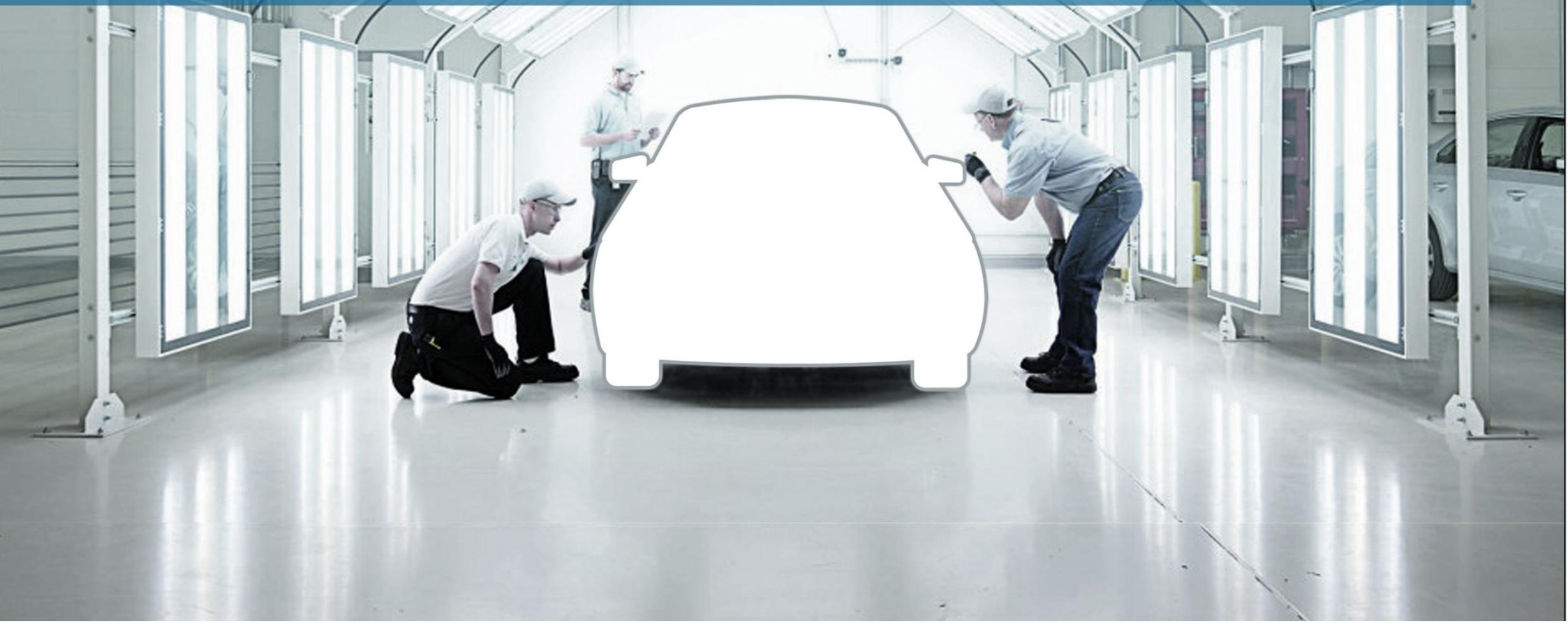
	Normal	Black
Film Thickness	2mil	2mil
Visible Light Transmittance	58%	38%
Ultra Violet Rejection	99%	99%
Infra Red Rejection	65%	65%
Total Solar Energy Rejection	40%	42%



RAYTECH WARRANTY COVERAGE

Raytech window film is warranted for a period of 7 years from the date of original purchase when properly installed in accordance with manufacturer's instructions on suitable interior glass surfaces by a duly authorized dealer. Your Raytech Solar Control Window Film will maintain reflective properties without crazing, cracking or peeling, maintain adhesive properties without blistering, bubbling or delaminating from the glass and maintain appearance without discoloration.

During the written warranty period, in the event a defect malfunction or other failure of the products covered not caused by negligence, misuse or any other cause other than normal use and operation, Raytech will replace or repair any warranted part without charge for the part to the customer.



Centre Region

Raytech Seri Kembangan

15-17G, Jalan SR8/1, Serdang Raya,
43300 Seri Kembangan, Selangor
Tel : +603 – 89419 928 Fax : +603 – 89450 928

Raytech Cheras

18, Ground Floor, Jalan 4/93A, Warisan City View,
Off Batu 2 1/2, Jalan Cheras, 56100 Kuala Lumpur
Tel : +603 – 9286 3996 Fax : +603 – 9285 1448

Raytech Balakong

D1-26-G, Floor G, Jalan Dutamas1,
Dutamas Balakong, 43200 Cheras, Selangor
Tel : +603 – 9082 9938 Fax : +603 – 9082 9938

Raytech Petaling Jaya

6, Jalan 19/36, Seksyen 19, 43300,
Petaling Jaya, Selangor
Tel : +603 – 7874 5566 Fax : +603 – 7874 5566

Raytech Puchong

11-G, Jalan Merbah 1, Bandar Puchong Jaya,
47170, Puchong, Selangor
Tel : +603 – 8076 1977

Raytech Glenmarie

29, Jalan Peniaga U1/34, Hicom Glenmarie
Industrial Park, 40150, Shah Alam, Selangor
Tel : +603 – 5569 5177

Raytech Batu Caves

G-123, Jalan Prima, Sg 5, Taman Prima Sri Gombak,
68100 Batu Caves,
Federal Territory of Kuala Lumpur
Tel : +603 – 6188 3206

Raytech Botanik, Klang

No.9, Jalan Remia 3/KS6, Bandar Botanik,
41200 Klang, Selangor
Tel : +603 – 3319 1277

Raytech Setapak

No.79, Jalan Genting Klang, Setapak,
53300 Kuala Lumpur
Tel : +603 – 4023 1777

Raytech Bangi

30, Jalan Medan Pb 2b, 43650,
Bangi, Selangor
Tel : +603 – 8926 6659

Raytech Kajang

No.8-G, Jalan Damai Mewah 1A,
Taman Damai Mewah, 43000 Kajang, Selangor
Tel : +603 – 8741 6659

Raytech Sungai Buloh

53, Jalan BRP 1/4, Bukit Rahman Putra,
47000, Sungai Buloh, Selangor
Tel : +03 – 6141 2398

Raytech Rawang

Jalan Bandar Rawang 15,
Bandar Baru Rawang,
48000 Rawang, Selangor
Tel : +603 – 6093 2362

North Region

Raytech Ipoh

120C-120D, Jalan Kampar, 30250 Ipoh, Perak.
Tel. : +605 – 242 5636

Raytech Sitiawan

No.82, Medan Sejahtera, Jalan Lumut
32000 Sitiawan, Perak
Tel : +605 – 692 2125 Fax : +605 – 692 2125

Raytech Kangar

No.44, Taman Perfiwi Indah,
Seriab, Jalan Kangar-Alor Setar,
01000 Kangar, Perlis
Tel : +604 – 976 0308

Raytech George Town

197G & 199G, Jalan Perak,
10150 Georgetown, Pinang.
Tel : +604 – 226 6676 Fax : +604 – 226 6676

Raytech Alor Setar

MG 1007, Kompleks SRI Putra,
05150 Alor Setar, Kedah
Tel. : +604 – 734 9700 Fax. : +604 – 734 9700

South Region

Raytech Seremban

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70200, Seremban, Negeri Sembilan
Tel : +606 – 768 8836

Raytech Bahau

Jalan Angsana 2, Kampung
Kuala Sialang, 72100 Bahau, Negeri Sembilan
Tel : +06-454 0955

Raytech Melaka

30 & 30A, Jalan Taming Sari, 75400 Melaka
Tel : +606 – 284 1117, +6012 – 636 3808

Raytech Bera

No.2, Ground Floor, Jalan Kempas Jaya 1,
Taman kempas Jaya, 28200 Bandar Bera, Pahang
Tel : +609 – 255 7288 Fax : +609 – 255 7288

Raytech Johor Bahru, Skudai

No: 67 & 69, Jalan Glasier, Taman Tasek,
80200 Johor Bahru, Johor
Tel. : +607 – 236 5455

Raytech Johor Bahru, Plentong

No.1, jalan Johor Jaya,
Taman Perindustrian Plentong
81750 Johor Bahru, Johor
Tel. : +607 – 236 5455

Sabah & Sarawak

Raytech Tawau

TB16289 & TB16290, PerdayaJaya Commercial
Centre, Jalan Chong Thien Yun,
91000 Tawau, Sabah
Tel : +6089 – 770 915

Raytech Miri

Lot 3099, Ground Floor, Block 5,
Lorong 10, Krokop 98000 Miri Sarawak.
Tel : +6085 – 418 708 Fax : +6085 – 418 708

Raytech Kuching, Kenyalang Park

No. 4, Lot 3830 Kenyalang Park Community
Association Building, 93300 Kuching, Sarawak
Tel : +6082 – 333 378

Raytech Kuching, Jln Ong Tiang Swee

Ground Floor, LOT 659, Block 10,
Jalan Ong Tiang Swee, 93200 Kuching, Sarawak
Tel : +6082 – 421 112

Raytech Kuching, Jalan Lpg Terbang

1127C, Green height Commercial Center,
Jalan Lapangan Terbang Baru,
93250 Kuching, Sarawak
Tel : +6016 – 800 0100 Fax : +6082 – 464 100

Raytech Bintulu

No. 269, Block 31, Kemena Land District,
208, TG, Batu Road,
97000 Bintulu, Sarawak
Tel : +6086 – 331 886

Navigate Raytech

Reach us by key in Raytech name
in Waze or Google Map.



Waze



Google Map

RAYTECH FILMS (M) SDN BHD

15-17-1, Jalan SR8/1, Serdang Raya, 43300 Seri Kembangan, Selangor Darul Ehsan.
www.raytech.com.my Customer Careline 1300 - 88 - 3339 Email : wecare@raytechfilm.com



www.raytechfilms.com