VISION رؤيـــة 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

SKYGUARD
Advanced Thermal Film Solutions

Company Profile

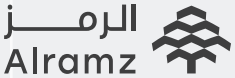
Who We Are

SKYGUARD is a specialized extension in advanced glass insulation solutions, established upon the solid foundation of a leading contracting company with over 15 years of experience in delivering diverse projects across the Kingdom of Saudi Arabia.

We offer professional services that include the supply and installation of window insulation films for glass surfaces, as well as high-performance protection and shading systems — utilizing globally certified materials and modern technologies such as nano-ceramic coating.

We operate according to the highest standards of quality and precision, backed by our accumulated engineering expertise and proven execution capabilities, making us the preferred choice for elite clients in both residential and commercial sectors.

OUR CLIENTS



BAE SYSTEMS

Our Vision

To be the leading and most trusted provider of integrated glass insulation and protection solutions, contributing to enhanced energy efficiency, safety, and architectural aesthetics using cutting-edge technologies and specialized expertise across the Kingdom.

Our Values

We are committed to delivering consistent quality in our products and services, operating with integrity and transparency, adopting modern technologies to improve our work, and placing our clients' needs at the forefront of everything we do.

Why Choose SKYGUARD?

Because we offer practical glass insulation and protection solutions, backed by hands-on experience and a specialized execution team.

Our range includes heat insulation, glare reduction, and safety films — all using high-quality materials and advanced technologies.

We operate across the Kingdom with fast response and precise execution to deliver reliable results that meet our clients' needs.

Benefits of Architectural Window Films

Architectural window films are intelligent, sustainable solutions that significantly enhance building performance and interior comfort. They combine solar control, light management, energy efficiency, and protection—making them an ideal choice for both commercial and residential projects.

Studies show that untreated glass can allow up to 70% of solar heat to enter a building, with approximately 66% of electricity consumption attributed to cooling. By applying the appropriate solar control films, thermal load can be reduced by up to 27%, resulting in lower electricity bills, improved HVAC efficiency, and a quick return on investment. One of the key advantages of these films is their ability to block over 99% of harmful ultraviolet (UV) rays—one of the leading causes of skin cancer. UV rays also contribute to the fading and deterioration of furniture, flooring, and fabrics exposed to sunlight inside the space.

In addition window films also help minimize glare and disruptive reflections, creating a more comfortable and balanced work environment. Studies indicate that excessive heat and glare can reduce employee productivity by up to 25%.

In addition to these benefits, some types of films are engineered with high-strength safety layers that reinforce glass against explosions, forced break-ins, or acts of vandalism. These films help hold shattered glass in place upon impact, reducing the risk of injury and interior damage. They are widely used in sensitive locations such as banks, schools, galleries, and commercial centers—while maintaining a clean and professional glass appearance.

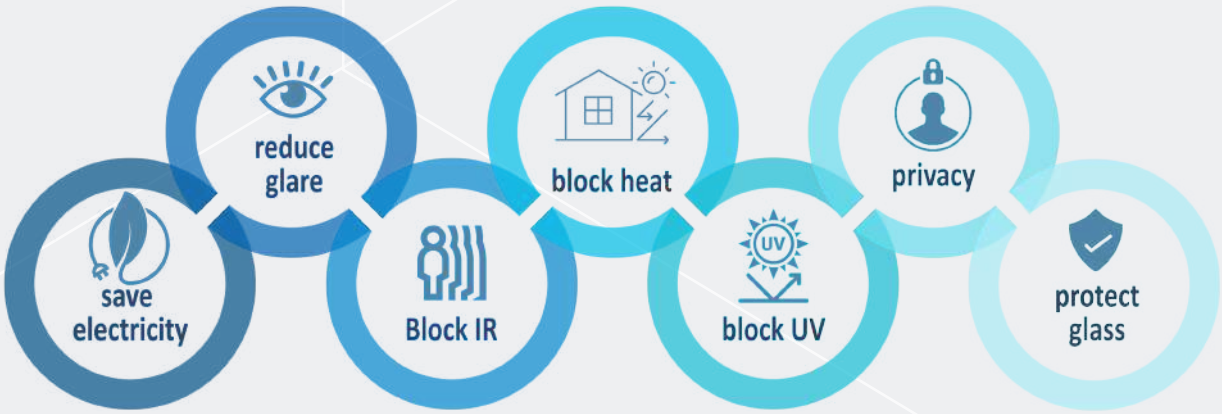
Brands:

Products:

Thermal insulation films

Safety and security films

7 Strategic Advantages of Architectural Window Films



List of specifications for selected thermal insulation films:

3M

3M™ Prestige 70

A premium spectrally selective window film offering high visible light transmission, excellent heat rejection, and a clear, non-reflective appearance—ideal for high- visibility applications.

- Total Solar Energy Rejected: 50%
- IR Rejection: 97%
- UV Rejection: 99.9%
- Glare Reduction: 22%
- Visible Light Transmission: 69%

Ideal for: Showrooms, retail displays, and office façades where maximum clarity, daylight, and modern aesthetics are essential.

3M™ Prestige 40

A premium spectrally selective, metal-free window film designed for high solar heat rejection and optical clarity, with a neutral appearance.

- Total Solar Energy Rejected: 60%
- IR Rejection: 97%
- UV Rejection: 99.9%
- Glare Reduction: 55%
- Visible Light Transmission: 40%

Ideal for: Office buildings, retail displays, and high-visibility spaces requiring strong solar performance and a neutral look without metallic reflectivity.

3M™ All Seasons Silver 20

A high-performance interior window film engineered for year-round energy efficiency. It reduces solar heat gain in summer and retains indoor warmth during winter.

- Total Solar Energy Rejected: 77%
- IR Rejection: 71%
- UV Rejection: 99%
- Glare Reduction: 77%
- Visible Light Transmission: 20%

Ideal for: Projects that demand maximum performance in heat and glare control while maintaining thermal comfort across both hot and cold climates—perfect for energy-conscious commercial and residential applications.

3M™ Night Vision 35

A premium solar control film by 3M offering balanced performance in heat, glare, and UV protection with a neutral appearance.

- Total Solar Energy Rejected: 54%
- IR Rejection: 60%
- UV Rejection: 99.9%
- Glare Reduction: 63%
- Visible Light Transmission: 33%

Ideal for: Projects that require effective UV and glare protection while maintaining moderate daylight levels suitable for commercial and residential use.

3M™ Night Vision 25

A premium solar control film from 3M that delivers strong protection against solar heat and glare while maintaining a clean, professional appearance.

- Total Solar Energy Rejected: 63%
- IR Rejection: 70%
- UV Rejection: 99.9%
- Glare Reduction: 73%
- Visible Light Transmission: 24%

Ideal for: Projects that require high UV and glare protection with moderate natural light transmission perfect for offices, storefronts, and high-sun exposure areas.

3M™ Night Vision 15

A high-performance solar control film with advanced nano-technology, designed for low reflectivity at night, high glare reduction, and excellent heat and UV protection.

- Total Solar Energy Rejected: 72%
- IR Rejection: Approx. 85%
- UV Rejection: 99%
- Glare Reduction: 85%
- Visible Light Transmission: 13%

Ideal for: Residential and commercial spaces requiring strong solar control, reduced heat and glare, and improved nighttime visibility suitable for high sun load offices, homes, and storefronts.

3M™ Ceramic IR 70

A premium nano-ceramic automotive window film designed for high infrared heat rejection with excellent visible light transmission.

- Total Solar Energy Rejected (TSER): 41%
- IR Rejection: 78%
- UV Rejection: 99.2%
- Glare Reduction: 12%
- Visible Light Transmission: 78%

Ideal for: Vehicles or spaces requiring maximum visibility and light while still benefiting from infrared heat rejection, perfect for windshields, museums, showrooms, or any application where clear views and comfort are key.

3M™ Ceramic IR 50

A balanced ceramic film combining solar heat protection and visibility.

- Total Solar Energy Rejected (TSER): 47%
- IR Rejection: 83%
- UV Rejection: 99.6%
- Glare Reduction: 32%
- Visible Light Transmission: 60%

Ideal for: Applications needing a good balance of visibility, solar control, and privacy suitable for side windows in vehicles, office partitions, or bright retail environments.

3M™ Ceramic IR 35

Designed for greater heat rejection and enhanced privacy.

- Total Solar Energy Rejected (TSER): 52%
- IR Rejection: 85%
- UV Rejection: 99.6%
- Glare Reduction: 49%
- Visible Light Transmission: 45%

Ideal for: Settings where increased heat rejection and privacy are essential excellent for private vehicles, residential windows, or commercial properties in hot climates.

LLumar VS70

This film allows in 70% of light while still reducing heat.

- Total Solar Energy Rejected: 52%
- IR Rejection: 65%
- UV Rejection: 99.9%
- Glare Reduction: 23%
- Visible Light Transmission: 69%

Virtually invisible, lets in more light than heat.

Optically clear with advanced infrared ray rejecting technology.

LLumar AirBlue80 – AIR 80 BL SR HPR

A virtually clear nano-ceramic solar control film with high visible light transmission and advanced infrared heat rejection technology.

- Total Solar Energy Rejected: 44%
- IR Rejection: 90%
- UV Rejection: 99.9%
- Glare Reduction: 14%
- Visible Light Transmission: 78%

Ideal for: Storefronts, museums, historical buildings, and other applications requiring excellent daylight visibility with discreet solar protection.

LLumar R 50 SR HPR

A reflective solar control film offering a strong balance between heat rejection, glare control, and daytime privacy.

- Total Solar Energy Rejected: 53%
- IR Rejection: 55%
- UV Rejection: 99.9%
- Glare Reduction: 45%
- Visible Light Transmission: 49%

Ideal for: Projects requiring reliable heat and glare reduction with a cost-effective reflective finish. Commonly used in offices, commercial façades, and sun- exposed residential windows.

LLumar R 35 SR CDF

A reflective silver solar control film designed for high-performance heat rejection and daytime privacy, with a medium-silver appearance and long-term durability.

- Total Solar Energy Rejected: 45%
- IR Rejection: 70%
- UV Rejection: 99%
- Glare Reduction: 47%
- Visible Light Transmission: 35%

Ideal for: Commercial buildings and offices requiring reliable solar heat control and glare reduction, with the added benefit of a reflective privacy finish and energy savings.

LLumar R 20 SR CDF

A highly reflective dark silver solar control film designed for superior heat rejection, glare control, and enhanced daytime privacy. Built with durability and performance in mind for demanding environments.

- Total Solar Energy Rejected: 82%
- IR Rejection: 80%
- UV Rejection: 99%
- Glare Reduction: 84%
- Visible Light Transmission: 15%

Ideal for: Commercial buildings, offices, and high-sun exposure areas requiring maximum heat rejection, privacy, and energy savings especially suitable for facades and sun-facing glass installations.

ECO 7090

A high-clarity ceramic window film offering excellent visibility with moderate solar control and infrared rejection.

- Total Solar Energy Rejected: 47%
- IR Rejection: 88%
- UV Rejection: 99%
- Glare Reduction: 22%
- Visible Light Transmission: 70%

Ideal for: Applications where clear views and natural light are priorities, with light thermal protection—ideal for storefronts, lobbies, and museums.

ECO 5095

A high-performance insulation film featuring strong infrared rejection for enhanced comfort in sun-exposed environments.

- Total Solar Energy Rejected: 58%
- IR Rejection: 95%
- UV Rejection: 99%
- Glare Reduction: 49%
- Visible Light Transmission: 54%

Ideal for: High-sun load spaces where thermal comfort is critical perfect for offices, schools, and homes in warm climates.

ECO 3595

A powerful solar insulation film engineered for maximum heat rejection, glare control, and high infrared blocking.

- Total Solar Energy Rejected: 63%
- IR Rejection: 95%
- UV Rejection: 99%
- Glare Reduction: 62%
- Visible Light Transmission: 36%

Ideal for: Demanding hot-climate projects where superior heat and glare control are essential ideal for commercial glass façades and high-exposure interiors.

GeoShield APEX 70

A premium nano-ceramic solar control film combining exceptional heat rejection with high clarity and zero metal content for full signal compatibility.

- Total Solar Energy Rejected (TSER): 49
- IR Rejection: 96%
- UV Rejection: 99%
- Glare Reduction: 20%
- Visible Light Transmission (VLT): 70%

Ideal for: Luxury residences, offices, showrooms, and signal-sensitive areas where heat control is critical without compromising visibility or interfering with mobile and electronic signals.

GeoShield V-NANO 50

A high-clarity nanotechnology film offering moderate heat rejection and strong UV protection, without compromising natural daylight.

- Total Solar Energy Rejected: 52%
- IR Rejection: 80%
- UV Rejection: 99%
- Glare Reduction: 42%
- Visible Light Transmission: 49%

Ideal for: Environments where natural light is desired alongside fair thermal protection suitable for offices, retail spaces, and residential windows.

GeoShield V-NANO 35

A nanotech-based film providing higher solar control while maintaining optical clarity for areas with stronger heat exposure.

- Total Solar Energy Rejected: 57%
- IR Rejection: 80%
- UV Rejection: 99%
- Glare Reduction: 50%
- Visible Light Transmission: 35%

Ideal for: Settings that require less daylight penetration with enhanced heat rejection, great for sun-drenched rooms and energy-conscious commercial spaces.

GeoShield V-NANO 20

A high-performance nano-ceramic window film designed for maximum heat and UV rejection while maintaining privacy and reduced glare. It offers a darker appearance with advanced infrared-blocking technology for superior indoor comfort.

- Total Solar Energy Rejected: 63%
- IR Rejection: 81%
- UV Rejection: 99%
- Glare Reduction: 70%
- Visible Light Transmission: 22%

Ideal for: Environments with intense sunlight exposure where maximum heat reduction and privacy are priorities perfect for residential facades, offices, and commercial buildings seeking modern thermal protection without compromising aesthetics.

Safety and Security Film

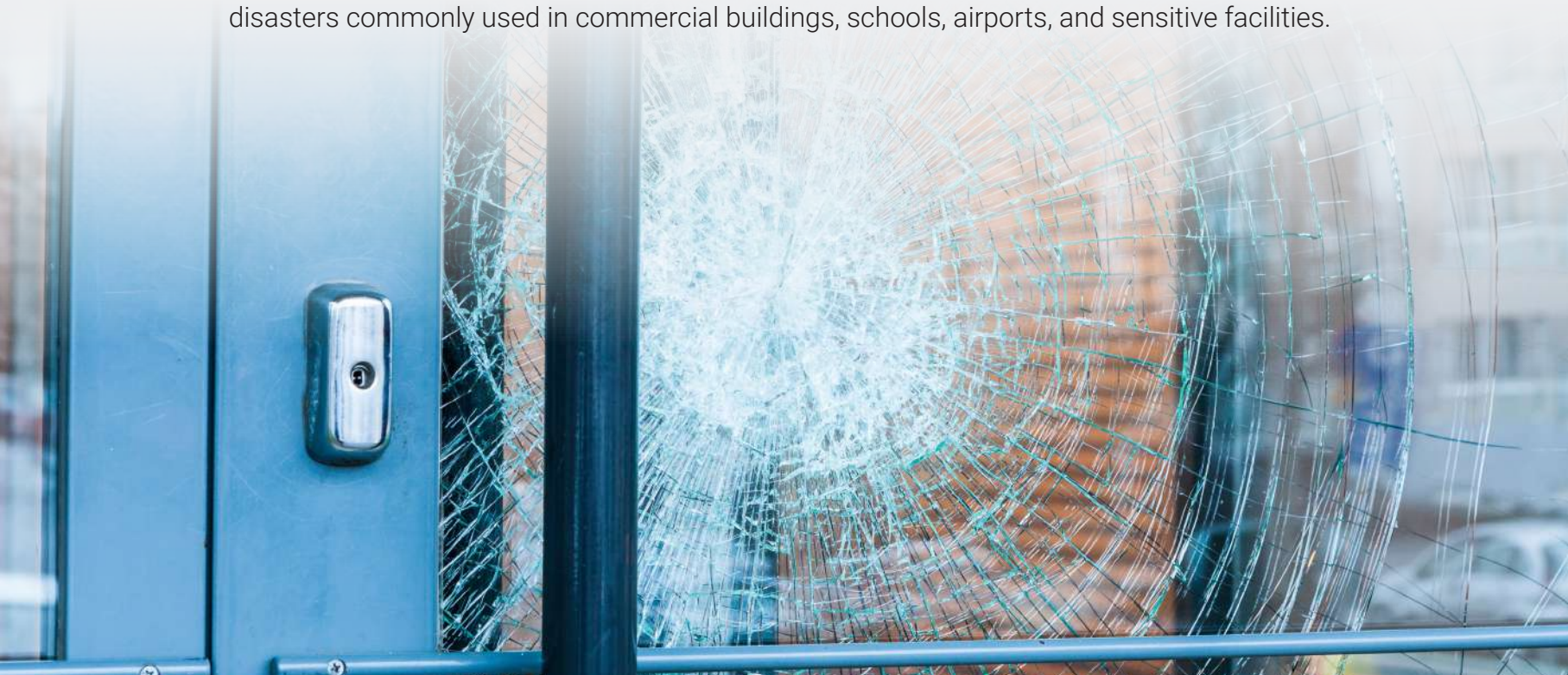
List of specifications for selected Safety and Security films:

3M™ Safety S140

A high-strength, transparent safety window film engineered to increase glass shatter resistance while maintaining clear visibility. Certified under multiple international safety and fire-resistance standards.

- Film Type: Clear Safety Film
- Total Thickness: 350 microns (µm)
- Visible Light Transmission: 85%
- UV Rejection: 99%
- Tensile Strength (MD/TD): 114 MPa / 170 MPa
- Tear Resistance (MD/TD): 525 Nmm / 585 Nmm

Ideal for: Enhancing occupant protection against glass breakage, vandalism, and natural disasters commonly used in commercial buildings, schools, airports, and sensitive facilities.



3M™ Safety S80

A high-strength, optically clear safety and security film engineered to increase glass shatter resistance while maintaining natural transparency. Designed for robust protection in commercial and institutional settings.

- Total Thickness: 203 µm (8 mil)
- Visible Light Transmission: 86%
- UV Rejection: 99%
- Glare Reduction: Minimal (clear film)
- Tensile Strength: 25,000 psi
- Break Strength: 200 lbs/inch
- Elongation at Break: 108%

Ideal for: Office buildings, Banks, schools, and public facilities requiring invisible shatter resistance and UV protection for glass windows and doors, especially where high visibility is important.

3M™ Scotchshield™ Ultra S800

A multi-layer, optically clear safety and security film engineered for exceptional tear resistance and glass fragment retention. Designed to enhance protection from forced entry, explosions, and impact while maintaining high visibility.

- Total Film Thickness: 8 mil (203 µm)
- Visible Light Transmission: 88%
- UV Rejection: 99%
- Glare Reduction: Minimal (clear film)
- Tensile Strength: 31,500 psi
- Break Strength: 253 lbs/in
- Elongation at Break: 135%
- Abrasion Resistance: 5% Δ haze
- Peel Strength: 6 lbs/in
- Flammability Rating (ASTM E84): Class A

Ideal for: Government buildings, Banks, schools, airports, and commercial properties needing high-performance blast mitigation, forced-entry delay, and safety glazing all while preserving visual clarity and light transmission.

3M™ Ultra S600

A premium multi-layer, optically clear safety and security film engineered for exceptional impact resistance and glass retention during breakage events. Designed for commercial use with high-strength polyester materials and advanced adhesive systems.

- Visible Light Transmission: 87%
- Total Solar Energy Rejected: Approx. 21%
- UV Rejection: 99%
- Film Thickness: 152 microns (6 mils)
- Tensile Strength (MD/TD): 220 MPa / 220 MPa
- Break Strength: 210 lbf/in (MD & TD)
- Tear Resistance (Graves Test): 28 lbf
- Puncture Strength: 140 lbf
- Adhesive Type: Pressure-sensitive acrylic
- Flammability (ASTM E84): Class A (FDI: 0 / SDI: 15)
- Impact Rating: ANSI Z97.1 Class A / CPSC Category II (400 ft-lbs)
- Blast Resistance: GSA/ASTM F1642 “Minimal Hazard” up to 8 psi and 60 psi msec with impact attachment system

Ideal for: High-security environments such as government buildings, airports, commercial storefronts, and critical infrastructure requiring superior glass fragmentation containment, bomb-blast mitigation, and impact protection.

3M™ Scotchshield™ Ultra Night Vision S25

A tinted safety and security window film that offers both sun control and enhanced glass protection, with low interior reflectivity for better night-time visibility.

- Visible Light Transmission: 25%
- Visible Reflection (Interior/Exterior): 10% / 25%

- UV Rejection: 99%
- Total Solar Energy Rejected (TSER): 62%
- Glare Reduction: 72%
- Film Thickness: 9.8 mils
- Tear Resistance (MD/TD): 1200 / 950 lbs%
- Break Strength (MD/TD): 230 / 210 lbs/in
- Safety Classification: ANSI Z97.1, ASTM E-1996, GSA Blast Mitigation
- Appearance: Tinted with low interior reflectivity

Ideal for: High-security commercial buildings, airports, schools, and sensitive facilities requiring both sun control and enhanced impact protection.

LLumar SCL SR PS8 - Safety Clear

A clear safety and security window film engineered to enhance glass integrity and reduce hazards caused by breakage. It provides invisible protection while maintaining high optical clarity.

- Visible Light Transmission: 89%
- Total Solar Energy Rejected: 16%
- UV Rejection: 99%
- Glare Reduction: 2%
- Film Thickness: 208 µm (0.0082 inches)
- Impact Safety Classification (EN 12600): 1(B)1 – Film Side | 2(B)2 – Glass Side

Ideal for: Applications requiring enhanced shatter resistance with virtually no impact on visibility—such as storefronts, schools, and interior glass where clarity and safety are both priorities.

LLumar SCL SR PS4 - Safety Clear

A clear, thin-profile safety film designed to strengthen glass and improve occupant protection with minimal visual impact.

- Visible Light Transmission: 90%
- Total Solar Energy Rejected: 15%
- UV Rejection: 99%
- Glare Reduction: 0%
- Film Thickness: 104 µm (0.0041 inches)
- Impact Safety Classification (EN 12600): 2B2 (450 mm drop height)

Ideal for: Indoor glass surfaces where basic shatter protection and clarity are essential used in retail, residential, and light commercial spaces.

- LLumar N 1020 SR PS4 –

A sputtered dark neutral safety and solar control film that delivers robust protection, strong solar heat rejection, and excellent glare reduction—while maintaining a clean, professional appearance.

- Visible Light Transmission: 23% (on single-pane glass)
- Visible Light Reflection (Interior/Exterior): 27% / 21%
- Total Solar Energy Rejected: 64%
- UV Rejection: 99%
- Glare Reduction: 74%
- Film Thickness: 100 µm
- Appearance: Neutral dark tone

Ideal for: Facilities requiring enhanced glass safety and solar performance—perfect for commercial buildings, educational institutions, and areas with high heat and glare exposure.

LLumar™ N 1020 SR PS8

A dark neutral sputtered film combining safety, security, and solar control performance. Designed to provide strong protection against heat, glare, and impact while maintaining a sleek appearance.

- Total Solar Energy Rejected: 54%
- IR Rejection: Approx. 65%
- UV Rejection: 99%
- Glare Reduction: 75%
- Visible Light Transmission: 23%
- Film Thickness: 200 µm (8 mil)
- Appearance: Neutral dark tone
- Safety Type: Safety & Security – Anti-Vandalism
- Installation: Interior

Ideal for: Commercial properties, government facilities, and secure areas where both high solar control and enhanced glass security are needed. Suitable for high-glare and high-heat environments.

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