

3M™ Scotchshield™ Safety & Security Window Film

Ultra Prestige S50



Tear-resistance and sun control

Benefits

- Combines the benefits of 3M™ Ultra Series with the benefits of 3M™ Prestige Series Window Film
- Micro-layered film designed for tear resistance and glass fragment retention
- Virtually clear (50% Visible Light Transmission) with solar heat rejection properties
- For application only to interior glass surfaces of windows and doors
- Low interior reflectivity offers enhanced views
- Engineered to help hold broken glass in place
- Helps prevent flying glass shards from harming occupants and damaging property
- Blocks up to 99% of the sun's UV rays, the largest single cause of fading
- Product must be installed with the 3M™ Impact Protection Attachment (IPA) Sealant for all windstorm, break & entry, and explosion mitigation applications and for all spontaneous glass breakage applications on single pane tempered glass (product is not bulletproof and is not designed to stop intruders)
- Comprehensive warranty from 3M



Commercial Branding and Transportation
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IMPORTANT: This is an overview of product features and benefits. Prior to product selection, always refer to the current 3M Technical Data Sheet and 3M Technical Specifications for more detailed product information. Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application. Failure to properly evaluate, select, and use a 3M product may result in injury, sickness, death, and/or harm to property. This product is not approved in the State of Florida for use as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm.

CAUTION: Although certain 3M™ Window Films help block a certain percentage of UVA and UVB radiation and may have received The Skin Cancer Foundation Seal of Recommendation, the efficacy of these films in protecting against skin cancer has not been tested by 3M and 3M™ WINDOW FILMS DO NOT PREVENT SKIN CANCER.

CAUTION: While 3M™ Window Films, when applied in accordance with 3M instructions, may help reduce the impact of flying glass shards under certain conditions and potentially delay intruders, **THESE FILMS DO NOT PREVENT PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH. WINDOW FILMS ARE NOT BULLETPROOF AND NOT DESIGNED TO STOP INTRUDERS.**

IMPORTANT: This is an overview of product features. References to explosions or blasts apply only to commercial and non-educational government facility applications. Prior to product selection, always refer to the current 3M Technical Data Sheet for detailed product information.

Film Type	Ultra Prestige S50
Film Thickness	8 mil (0.22mm)
Construction	Micro-layered
Tear Resistance	1,150 lbs%
Tensile Strength	25,300 psi (186 MPa)
Break Strength	200 lbs/in (956 N/25mm)
Elongation at Break	117%
Peel Strength	>4 lbs/in (18 N/25mm)
Abrasion Resistance	3% Δ Haze

Film Properties (nominal) — not for specification purposes

Glass Type (All 1/4")	Film Type	Reflected (Interior)	7%
		Reflected (Exterior)	9%
Total Solar Energy Rejected	Visible Light Transmitted	Solar Heat Gain Coefficient (G Value)	48%
			56%
Solar Heat Gain Coefficient (G Value)	U Value	w/ m²k	1.02
			5.8
Solar Heat Rejected	UV Light Rejected	Clare Reduction	46%
Clare Reduction	Clare Reduction	Visible Light Gain Ratio	99.9%
Double Tinted	Double Clear	Double Tinted	46%
Ultra PR S50	Ultra PR S50	Ultra PR S50	45%
Ultra PR S50	Ultra PR S50	Ultra PR S50	45%
Ultra PR S50	Ultra PR S50	Ultra PR S50	46%
Ultra PR S50	Ultra PR S50	Ultra PR S50	0.8
Ultra PR S50	Ultra PR S50	Ultra PR S50	0.7
Ultra PR S50	Ultra PR S50	Ultra PR S50	1.1
Ultra PR S50	Ultra PR S50	Ultra PR S50	0.6

Solar Properties — not for specification purposes