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ARCHITECTURAL WINDOW FILMS

FlexiShield

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FlexiShield Novara Architectural Safety Window Film

Enhanced Safety | Uncompromised Clarity

FlexiShield Novara™ Architectural Safety Window Film is a next-generation architectural window film designed to combine safety and comfort in modern spaces. Engineered with optical-grade polyester and a high-performance adhesive system, Novara reinforces glass surfaces without compromising clarity or natural light transmission.

FlexiShield Novara delivers scalable protection in thicknesses from 4mil to 15mil, combining strength, clarity, and architectural elegance. The 4mil film provides everyday safety for residential spaces, while 6mil and 8mil versions add enhanced resilience for schools, retail, and offices against moderate to high impacts and intrusion. For elevated security, 10mil and 12mil options deliver heavy-duty shatter resistance that meets stricter safety standards. At 15mil, Novara offers maximum-strength defense for government, transport, and high-risk facilities. All versions maintain crystal-clear visibility, reduce glare, block 99% of UV rays, and reinforce glass against breakage, creating safer, more comfortable environments.

A brand of:



COVERAGE YOU CAN COUNT ON!

NV

Choosing FlexiShield Novara:

4mil – Everyday protection against accidental breakage and light impacts; ideal for residential use.

7mil – Enhanced strength for schools, shops, and mid-traffic commercial spaces needing moderate impact resistance.

8mil – High-performance barrier against stronger impacts, forced entry, and storm debris; trusted for offices and public buildings.

12mil – Advanced shatter resistance designed for storefronts, corporate facilities, and areas with elevated safety demands.

15mil – Maximum strength film delivering top-tier protection for government sites, airports, and high-risk environments.

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US Manufacturing - Since 2003

Designed, developed, produced, and tested under the blazing Arizona sun.



Backed by Reflek's 10-year warranty.

FlexiShield Novara	NV 4 mil	NV 7 mil	NV 8 mil	NV 12 mil	NV 15 mil
Construction	1ply	1ply	2ply	2ply	2ply
Visible Light Transmission (VLT)	89%	88%	88%	87%	87%
UV Rejection	99%	99%	99%	99%	99%
Total Solar Energy Transmitted	81%	80%	80%	78%	77%
U-Factor (BTU/(h·ft²·°F)) Imperial	1.07	1.07	1.07	1.07	1.07
U-Value (W/m²K) Metric	6.07	6.07	6.07	6.07	6.07
Shading Coefficient	0.96	0.96	0.95	0.94	0.94
Total Solar Energy Rejection	16%	17%	17%	18%	18%
Mechanical Properties					
Tensile Strength at Break	28,500 PSI	28,500 PSI	28,500 PSI	28,500 PSI	28,500 PSI
Break Strength	112 lb/inch	180 lb/inch	224 lb/inch	336 lb/inch	420 lb/inch
Elongation at Break	125%	125%	125%	125%	125%
Peel Strength	7 lb/inch	7 lb/inch	7 lb/inch	7 lb/inch	8 lb/inch

* National Fenestration Rating Council's (NFRC) guidelines and calculated for single pane, nominal 1/8 inch (3mm) clear glass. Dry adhesive available.

