

R Silver 20 - 4 Mil - Solar Safety Interior Films

Attractive, Efficient and Secure



Safety

R Silver 20 - 4 Mil safety interior window film combines the reinforced protection of security laminates with superb heat rejection, up to 99% UV block, and a sophisticated appearance. The **R Silver 20 - 4 Mil** window film provides increased protection from glass shattering by impact, blast, crime or natural disaster.

Optical and Solar Properties**	R Silver 20 4 Mil	
Item Number	R12122T	
Pane	Single	Double
Visible Light Transmitted	19%	18%
Visible Light Reflected (Interior)	61%	61%
Visible Light Reflected (Exterior)	60%	60%
Ultra Violet Block	99%	99%
Total Solar Energy Reflected	53%	48%
Total Solar Energy Transmitted	14%	12%
Total Solar Energy Absorbed	33%	40%
Emissivity (Room Side)	0.74	0.74
Glare Reduction	79%	78%
Selective InfraRed Reduction (SIRR)	65%	65%
InfraRed Energy Rejection (IRER)	49%	49%
Shading Coefficient	0.27	0.36
Solar Heat Gain Coeff. (G-Value)	0.23	0.31
U-Value Winter (IP)	0.99	0.47
U-Value Winter (SI)	5.62	2.65
Luminous Efficacy	0.70	0.49
Total Solar Energy Rejected (%)	77%	69%
Mechanical Properties	R Silver 20 4 Mil	
Thickness	4 mil	
Tensile Strength at Break	28,500 PSI	
Break Strength	112 lb/ inch	
Elongation at Break	125%	
Peel Strength	7 lb/ inch	
Safety Testing		
Impact		
EN 12600 Class 2B2	√	

** Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.

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