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Series Safety & Security Warranty Res-Life I Com-12 Year I Color Stable Construction: Ply Ply 1 Ply Thickness 2 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 8 Total Solar Reflectance 9 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Category	Architectural	
Warranty Res-Life I Com-12 Year I Color Stable Construction: Ply 1 Ply 1 Ply Thickness 2 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 8 Total Solar Reflectance 9 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 99 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0		Safety & Security	
Ply 1 Ply Thickness 2 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) 4 Visible Light Reflectance (Ext) 9 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Warranty)
Thickness 2 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) 3 Visible Light Reflectance (Ext) 3 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Construction:		
Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1: Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance Total Solar Absorbtance Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >96 Glare Reduction 1: Winter Median U-Value 1.06	Ply	1 Ply	
Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1: Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 3 Total Solar Absorbtance 5 Visible Light Reflectance (Int) 5 Visible Light Reflectance (Ext) 5 UV Rejected 59 Glare Reduction 1 Winter Median U-Value 1.0	Thickness	2 Mil	
Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 11 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance Total Solar Absorbtance Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >98 Glare Reduction 1:00 Winter Median U-Value 1.06	Metal	Metal Free	
Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1: Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 5 Total Solar Absorbtance 5 Visible Light Reflectance (Int) 5 Visible Light Reflectance (Ext) 5 UV Rejected 59 Glare Reduction 1 Winter Median U-Value 1.0	Color	Dye Free	
Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) 3 Visible Light Reflectance (Ext) 3 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Adhesive	Pressure Adhesive	
Total Solar Energy Rejected 18 Luminous Efficacy 0.90 Shading Coefficient 0.90 Solar Heat Gain Coefficient 0.80 Total Solar Transmittance 80 Total Solar Reflectance 10 Total Solar Absorbtance 10 Visible Light Reflectance (Int) 10 Visible Light Reflectance (Ext) 10 UV Rejected >90 Glare Reduction 1 Winter Median U-Value 1.00	Solar Performa	nce:	
Luminous Efficacy 0.90 Shading Coefficient 0.90 Solar Heat Gain Coefficient 0.80 Total Solar Transmittance 80 Total Solar Reflectance 10 Total Solar Absorbtance 10 Visible Light Reflectance (Int) 10 Visible Light Reflectance (Ext) 10 UV Rejected >90 Glare Reduction 1 Winter Median U-Value 1.00	Visible Light Trai	nsmission	87
Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 5 Total Solar Absorbtance 5 Visible Light Reflectance (Int) 5 Visible Light Reflectance (Ext) 5 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Total Solar Energ	gy Rejected	18
Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 5 Total Solar Absorbtance 5 Visible Light Reflectance (Int) 5 Visible Light Reflectance (Ext) 5 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Luminous Effica	су	0.90
Total Solar Transmittance 8: Total Solar Reflectance Total Solar Absorbtance Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9: Glare Reduction 1: Winter Median U-Value 1.06	Shading Coeffic	ient	0.96
Total Solar Reflectance Total Solar Absorbtance Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected Glare Reduction Winter Median U-Value 1.06	Solar Heat Gain	Coefficient	0.82
Total Solar Absorbtance Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected Solare Reduction Winter Median U-Value	Total Solar Trans	smittance	83
Visible Light Reflectance (Ext) UV Rejected >9! Glare Reduction 1: Winter Median U-Value 1.06	Total Solar Refle	ctance	8
Visible Light Reflectance (Ext) UV Rejected >9! Glare Reduction 1: Winter Median U-Value 1.06	Total Solar Abso	rbtance	9
UV Rejected >99 Glare Reduction 1: Winter Median U-Value 1.06	Visible Light Ref	lectance (Int)	S
Glare Reduction 13 Winter Median U-Value 1.06	Visible Light Ref	lectance (Ext)	S
Winter Median U-Value 1.0	UV Rejected		>99
	Glare Reduction		13
Emissivity 0.8	Winter Median U	J-Value	1.08
	Emissivity		0.87
	Single Pane <10	0SF Double Pane <40SF	



Series Safety & Security Warranty Res-Life I Com-12 Year I Color Stable Construction: Ply Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Category	Architectural	
Warranty Res-Life I Com-12 Year I Color Stable Construction: Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0		Safety & Security	
Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Warranty	· · ·	е
Thickness 4 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Construction:		
Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Ply	2 Ply	
Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.8 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Thickness	4 Mil	
Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Metal	Metal Free	
Solar Performance: Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Color	Dye Free	
Visible Light Transmission 8 Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Adhesive	Pressure Adhesive	
Total Solar Energy Rejected 1 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Solar Performa	nce:	
Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Visible Light Tra	nsmission	88
Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Total Solar Energ	gy Rejected	19
Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance 1 Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Luminous Effica	су	0.91
Total Solar Transmittance 8 Total Solar Reflectance 1 Total Solar Absorbtance Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0			0.97
Total Solar Reflectance 1 Total Solar Absorbtance Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Solar Heat Gain	Coefficient	0.82
Total Solar Absorbtance Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Total Solar Trans	smittance	87
Visible Light Reflectance (Int) 1 Visible Light Reflectance (Ext) 1 UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Total Solar Refle	ctance	10
Visible Light Reflectance (Ext)1UV Rejected>9Glare Reduction1Winter Median U-Value1.0	Total Solar Abso	rbtance	3
UV Rejected >9 Glare Reduction 1 Winter Median U-Value 1.0	Visible Light Ref	lectance (Int)	11
Glare Reduction 1 Winter Median U-Value 1.0		lectance (Ext)	11
Winter Median U-Value 1.0			>99
	Glare Reduction		13
Emissivity 0.9		J-Value	1.08
	Emissivity		0.90
	Single Pane <10	OSF Double Pane <40SF	



Category	Architectural	
Series	Safety & Security	
Warranty	Res-Life I Com-12 Year I Color S	Stable
Construction:		
Ply	2 Ply	
Thickness	8 Mil	
Metal	Metal Free	
Color	Dye Free	
Adhesive	Pressure Adhesive	
Solar Performa	nce:	
Visible Light Tran	nsmission	87
Total Solar Energ	y Rejected	18
Luminous Effica	СУ	0.90
Shading Coeffici	ent	0.97
Solar Heat Gain	Coefficient	0.82
Total Solar Trans	mittance	85
Total Solar Refle	ctance	11
Total Solar Abso	rbtance	
Visible Light Ref		12
Visible Light Ref	ectance (Ext)	11
UV Rejected		>99
Glare Reduction		13
Winter Median L	-Value	1.07
Emissivity		0.89
Glare Reduction Winter Median L Emissivity Film-To-Glass A		1



ST 12 Mil Clea	ar en
Category	Architectural
Series	Safety & Security
Warranty	Res-Life I Com-12 Year I Color Stable
Construction:	
Ply	2 Ply
Thickness	12 Mil
Metal	Metal Free
Color	Dye Free
Adhesive	Pressure Adhesive
Solar Performa	nce:
Visible Light Tra	nsmission 8
Total Solar Energ	gy Rejected 1
Luminous Effica	
Shading Coeffic	
Solar Heat Gain	0.00
Total Solar Trans	mittance 8
Total Solar Refle	
Total Solar Abso	
Visible Light Ref	,
Visible Light Ref	
UV Rejected	>9
Glare Reduction	1:
Winter Median L	110
Emissivity	0.8
Film-To-Glass /	Approval:
Single Pane <10	0SF Double Pane <40SF



Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.99 Shading Coefficient 0.98 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 88 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 99 Visible Light Reflectance (Ext) 99 Glare Reduction 30 Winter Median U-Value 1.08	Category	Architectural	
Construction: Ply 2 Ply Thickness 14 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.9 Shading Coefficient 0.9 Solar Heat Gain Coefficient 0.8 Total Solar Transmittance 76 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Series	Safety & Security	
Ply 2 Ply Thickness 14 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.95 Shading Coefficient 0.95 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Warranty	Res-Life I Com-12 Year I Color Stable)
Thickness 14 Mil Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.95 Shading Coefficient 0.95 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Construction:		
Metal Metal Free Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.99 Shading Coefficient 0.98 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 88 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 99 Visible Light Reflectance (Ext) 99 Glare Reduction 30 Winter Median U-Value 1.08	Ply	2 Ply	
Color Dye Free Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.9 Shading Coefficient 0.82 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Thickness	14 Mil	
Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.99 Shading Coefficient 0.98 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 88 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 99 Visible Light Reflectance (Ext) 99 Glare Reduction 30 Winter Median U-Value 15	Metal	Metal Free	
Solar Performance: 87 Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.9 Shading Coefficient 0.96 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 76 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Color	Dye Free	
Visible Light Transmission 87 Total Solar Energy Rejected 17 Luminous Efficacy 0.95 Shading Coefficient 0.95 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Adhesive	Pressure Adhesive	
Total Solar Energy Rejected 17 Luminous Efficacy 0.9 Shading Coefficient 0.95 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 3 Visible Light Reflectance (Ext) 3 UV Rejected >95 Glare Reduction 3 Winter Median U-Value 1.05	Solar Performa	nce:	
Luminous Efficacy 0.9 Shading Coefficient 0.95 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Visible Light Tra	nsmission	87
Shading Coefficient 0.95 Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 9 Visible Light Reflectance (Ext) 9 UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.05	Total Solar Energ	gy Rejected	17
Solar Heat Gain Coefficient 0.82 Total Solar Transmittance 78 Total Solar Reflectance 8 Total Solar Absorbtance 14 Visible Light Reflectance (Int) 3 Visible Light Reflectance (Ext) 3 UV Rejected >93 Glare Reduction 3 Winter Median U-Value 1.05		-)	0.91
Total Solar Transmittance Total Solar Reflectance Total Solar Absorbtance Total Solar Absorbtance Total Solar Absorbtance Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected Solar Reduction Winter Median U-Value 78 78 78 78 78 78 78 78 78 78 78 78 78			0.95
Total Solar Reflectance Total Solar Absorbtance Total Solar Absorbtance Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected Solare Reduction Winter Median U-Value 8 99 61 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Solar Heat Gain	Coefficient	0.82
Total Solar Absorbtance 14 Visible Light Reflectance (Int) 5 Visible Light Reflectance (Ext) 5 UV Rejected >99 Glare Reduction 5 Winter Median U-Value 1.05	Total Solar Trans	smittance	78
Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected Signare Reduction Winter Median U-Value Signare Reflectance (Int) Signare	Total Solar Refle	ctance	8
Visible Light Reflectance (Ext) 9 UV Rejected >9 Glare Reduction 3 Winter Median U-Value 1.05	Total Solar Abso	rbtance	14
UV Rejected >99 Glare Reduction 3 Winter Median U-Value 1.09	Visible Light Ref	lectance (Int)	6
Glare Reduction 3 Winter Median U-Value 1.05	Visible Light Ref	lectance (Ext)	9
Winter Median U-Value 1.05	UV Rejected		>99
	Glare Reduction		3
Emissivity 0.88	Winter Median U	J-Value	1.05
	Emissivity		0.88
	Single Pane <10	0SF Double Pane <40SF	



Category	Architectural	
Series	Safety & Security	
Warranty	Res-Life I Com-12 Year	
Construction:		
Ply	2 Ply	
Thickness	4 Mil	
Metal	Metal Free	
Color	Color in Laminating Adhesive	
Adhesive	Pressure Adhesive	
Solar Performan	ce:	
Visible Light Trans	smission	50
Total Solar Energy	/ Rejected	29
Luminous Efficac		0.60
Shading Coefficie		0.83
Solar Heat Gain C	Coefficient	0.71
Total Solar Transr	nittance	72
Total Solar Reflec	tance	10
Total Solar Absor	otance	18
Visible Light Refle		8
Visible Light Refle	ectance (Ext)	3
UV Rejected		>99
Glare Reduction		50
Winter Median U-	Value	1.14
Emissivity		0.86



Category	Architectural	
Series	Safety & Security	
Warranty	Res-Life I Com-12 Year	
Construction:		
Ply	2 Ply	
Thickness	4 Mil	
Metal	Metal Free	
Color	Color in Laminating Adhesive	
Adhesive	Pressure Adhesive	
Solar Performand	ee:	
Visible Light Trans	mission	35
Total Solar Energy	Rejected	29
Luminous Efficacy		0.42
Shading Coefficier		0.83
Solar Heat Gain C	pefficient	0.71
Total Solar Transm	ittance	66
Total Solar Reflect	ance	9
Total Solar Absorb	tance	25
Visible Light Reflec	. ,	8
Visible Light Reflec	ctance (Ext)	8
UV Rejected		>99
Glare Reduction		65
Winter Median U-\	/alue	1.12
Emissivity		0.88



Series Safety & Security Warranty Res-Life I Com-12 Year Construction: Ply Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 5 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Category	Architectural	
Construction: Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected 99 Glare Reduction 8 Winter Median U-Value 1.1		Safety & Security	
Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 5 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Warranty	Res-Life I Com-12 Year	
Thickness 4 Mil Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Reflectance Total Solar Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Construction:		
Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Ply	2 Ply	
Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 5 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Thickness	4 Mil	
Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 5 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Metal	Metal Free	
Solar Performance: Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Color	Color in Laminating Adhesive	
Visible Light Transmission 3 Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Adhesive	Pressure Adhesive	
Total Solar Energy Rejected 3 Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Solar Performa	nce:	
Luminous Efficacy 0.4 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 5 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Visible Light Tra	nsmission	32
Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Total Solar Energ	gy Rejected	35
Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Luminous Effica	су	0.42
Total Solar Transmittance 5 Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1			0.77
Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Solar Heat Gain	Coefficient	0.65
Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Total Solar Trans	smittance	59
Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Total Solar Refle	ectance	ć
Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Total Solar Abso	orbtance	32
UV Rejected >9 Glare Reduction 8 Winter Median U-Value 1.1	Visible Light Ref	lectance (Int)	3
Glare Reduction 8 Winter Median U-Value 1.1		lectance (Ext)	3
Winter Median U-Value 1.1			>99
	Glare Reduction		80
Emissivity 0.8		J-Value	1.12
	Emissivity		0.88
	Single Pane < 10	00SF Double Pane - No	



Luminous Efficacy 0.1 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Series		
Construction: Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Total Solar Energy Rejected 3 Luminous Efficacy 0.1 Solar Heat Gain Coefficient 0.7 Solar Heat Gain Coefficient 5 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected 9 Glare Reduction 9 Winter Median U-Value 1.1	147	Safety & Security	
Ply 2 Ply Thickness 4 Mil Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Total Solar Energy Rejected 3 Luminous Efficacy 0.1 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Reflectance Total Solar Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Warranty	Res-Life I Com-12 Year	
Thickness 4 Mil Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Total Solar Energy Rejected 3 Luminous Efficacy 0.1 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Reflectance Total Solar Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Construction:		
Metal Metal Free Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Total Solar Energy Rejected 3 Luminous Efficacy 0.1 Shading Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Reflectance Total Solar Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Ply	2 Ply	
Color Color in Laminating Adhesive Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Total Solar Energy Rejected 3. Luminous Efficacy 0.1 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5. Total Solar Reflectance Total Solar Absorbtance 3. Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9. Winter Median U-Value 1.1	Thickness	4 Mil	
Adhesive Pressure Adhesive Solar Performance: Visible Light Transmission Total Solar Energy Rejected 3 Luminous Efficacy 3. Shading Coefficient 3. Solar Heat Gain Coefficient 3. Total Solar Transmittance 5 Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected 9 Glare Reduction Winter Median U-Value 1.1	Metal	Metal Free	
Solar Performance: Visible Light Transmission Total Solar Energy Rejected 3 Luminous Efficacy 0.1 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Color	Color in Laminating Adhesive	
Visible Light Transmission Total Solar Energy Rejected 3 Luminous Efficacy 0.1 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Visible Light Reflectance (Int) 3 Visible Light Reflectance (Ext) V UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Adhesive	Pressure Adhesive	
Total Solar Energy Rejected 3 Luminous Efficacy 0.1 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Solar Performance	:	
Luminous Efficacy 0.1 Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Visible Light Transm	ission	8
Shading Coefficient 0.7 Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance 3 Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Total Solar Energy R	ejected	39
Solar Heat Gain Coefficient 0.6 Total Solar Transmittance 5 Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Luminous Efficacy		0.11
Total Solar Transmittance 5 Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1			0.72
Total Solar Reflectance Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected Slare Reduction Winter Median U-Value 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Solar Heat Gain Coe	efficient	0.61
Total Solar Absorbtance 3 Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Total Solar Transmitt	ance	54
Visible Light Reflectance (Int) Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Total Solar Reflectar	nce	9
Visible Light Reflectance (Ext) UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Total Solar Absorbta	nce	37
UV Rejected >9 Glare Reduction 9 Winter Median U-Value 1.1	Visible Light Reflects	ance (Int)	7
Glare Reduction 9 Winter Median U-Value 1.1		ance (Ext)	3
Winter Median U-Value 1.1			>99
	Glare Reduction		95
Emissivity 0.8		lue	1.15
Emiliarity	Emissivity		0.88



Category	Architectural	
Series	Safety & Security	
Warranty	Res-Life I Com-12 Year I Color Stab	le
Construction:		
Ply	2 Ply	
Thickness	4 Mil	
Metal	Vapor Deposition	
Color	Dye Free	
Adhesive	Pressure Adhesive	
Solar Performan	ce:	
Visible Light Trans	smission	16
Total Solar Energy	Rejected	80
Luminous Efficacy	/	0.67
Shading Coefficie		0.24
Solar Heat Gain C	coefficient	0.20
Total Solar Transn	nittance	11
Total Solar Reflect	tance	62
Total Solar Absorb	otance	27
Visible Light Refle		66
Visible Light Refle	ctance (Ext)	60
UV Rejected		>99
Glare Reduction		80
Winter Median U-	Value	1.10
Emissivity		0.61



Category	Architectural	
Series	Anti-Graffiti	
Warranty	Res-5 Year I Com-5 Year I Co	olor Stable
Construction:		
Ply	1 Ply	
Thickness	4 Mil	
Metal	Metal Free	
Color	Dye Free	
Adhesive	Pressure Adhesive	
Solar Performa	nce:	
Visible Light Tran	nsmission	87
Total Solar Energ	gy Rejected	18
Luminous Effica	су	0.90
Shading Coeffic	ent	0.96
Solar Heat Gain	Coefficient	0.82
Total Solar Trans	mittance	83
Total Solar Refle	ctance	3
Total Solar Abso	rbtance	9
Visible Light Ref	ectance (Int)	S
Visible Light Ref	ectance (Ext)	Ć
UV Rejected		>99
Glare Reduction		13
Winter Median L	I-Value	1.08
Emissivity		0.87



Category	Architectural	
Series	Anti-Graffiti	
Warranty	Res-5 Year I Com-5 Year I Col	or Stable
Construction:		
Ply	1 Ply	
Thickness	7 Mil	
Metal	Metal Free	
Color	Dye Free	
Adhesive	Pressure Adhesive	
Solar Performa	nce:	
Visible Light Trar	nsmission	88
Total Solar Energ	y Rejected	18
Luminous Effica	СУ	0.91
Shading Coeffici		0.97
Solar Heat Gain	Coefficient	0.82
Total Solar Trans	mittance	87
Total Solar Refle		10
Total Solar Abso	rbtance	3
Visible Light Ref	. ,	11
Visible Light Ref	ectance (Ext)	11
UV Rejected		>99
Glare Reduction		13
Winter Median L	-Value	1.08
Emissivity		0.90



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