



EXPRESS
Window Films

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Architectural **Ar**

SS Clear Perspective 80

Category	Architectural
Series	Spectrally Selective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	2 Mil
Metal	Metal Free
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	78
Total Solar Energy Rejected	42
Luminous Efficacy	1.15
Shading Coefficient	0.67
Solar Heat Gain Coefficient	0.58
Total Solar Transmittance	45
Total Solar Reflectance	8
Total Solar Absorbance	47
Visible Light Reflectance (Int)	9
Visible Light Reflectance (Ext)	9
UV Rejected	>99
Glare Reduction	14
Winter Median U-Value	1.03
Emissivity	0.83

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

SS Clear Perspective 70

Category	Architectural
Series	Spectrally Selective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Sputtered
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	66
Total Solar Energy Rejected	58
Luminous Efficacy	1.35
Shading Coefficient	0.49
Solar Heat Gain Coefficient	0.42
Total Solar Transmittance	30
Total Solar Reflectance	29
Total Solar Absorbance	41
Visible Light Reflectance (Int)	8
Visible Light Reflectance (Ext)	14
UV Rejected	>99
Glare Reduction	34
Winter Median U-Value	1.02
Emissivity	0.82

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View Ceramic 45

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	2 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	45
Total Solar Energy Rejected	51
Luminous Efficacy	0.79
Shading Coefficient	0.57
Solar Heat Gain Coefficient	0.48
Total Solar Transmittance	36
Total Solar Reflectance	14
Total Solar Absorbance	50
Visible Light Reflectance (Int)	13
Visible Light Reflectance (Ext)	15
UV Rejected	>99
Glare Reduction	51
Winter Median U-Value	0.99
Emissivity	0.83

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View Ceramic 35

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	2 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	35
Total Solar Energy Rejected	58
Luminous Efficacy	0.73
Shading Coefficient	0.48
Solar Heat Gain Coefficient	0.41
Total Solar Transmittance	29
Total Solar Reflectance	24
Total Solar Absorbance	47
Visible Light Reflectance (Int)	14
Visible Light Reflectance (Ext)	25
UV Rejected	>99
Glare Reduction	61
Winter Median U-Value	0.98
Emissivity	0.81

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View Ceramic 25

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	2 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	23
Total Solar Energy Rejected	69
Luminous Efficacy	0.64
Shading Coefficient	0.36
Solar Heat Gain Coefficient	0.31
Total Solar Transmittance	19
Total Solar Reflectance	36
Total Solar Absorbance	45
Visible Light Reflectance (Int)	17
Visible Light Reflectance (Ext)	40
UV Rejected	>99
Glare Reduction	74
Winter Median U-Value	0.96
Emissivity	0.77

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View Ceramic 15

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	2 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	15
Total Solar Energy Rejected	75
Luminous Efficacy	0.52
Shading Coefficient	0.29
Solar Heat Gain Coefficient	0.25
Total Solar Transmittance	13
Total Solar Reflectance	44
Total Solar Absorbance	43
Visible Light Reflectance (Int)	21
Visible Light Reflectance (Ext)	47
UV Rejected	>99
Glare Reduction	84
Winter Median U-Value	0.94
Emissivity	0.75

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View Ceramic 05

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	2 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	7
Total Solar Energy Rejected	82
Luminous Efficacy	0.35
Shading Coefficient	0.20
Solar Heat Gain Coefficient	0.18
Total Solar Transmittance	7
Total Solar Reflectance	54
Total Solar Absorbance	39
Visible Light Reflectance (Int)	14
Visible Light Reflectance (Ext)	65
UV Rejected	>99
Glare Reduction	92
Winter Median U-Value	0.92
Emissivity	0.71

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View 45

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	42
Total Solar Energy Rejected	44
Luminous Efficacy	0.64
Shading Coefficient	0.66
Solar Heat Gain Coefficient	0.56
Total Solar Transmittance	42
Total Solar Reflectance	9
Total Solar Absorbance	49
Visible Light Reflectance (Int)	8
Visible Light Reflectance (Ext)	10
UV Rejected	>99
Glare Reduction	52
Winter Median U-Value	1.00
Emissivity	0.83

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View 35

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	34
Total Solar Energy Rejected	50
Luminous Efficacy	0.58
Shading Coefficient	0.59
Solar Heat Gain Coefficient	0.50
Total Solar Transmittance	35
Total Solar Reflectance	12
Total Solar Absorbance	53
Visible Light Reflectance (Int)	9
Visible Light Reflectance (Ext)	13
UV Rejected	>99
Glare Reduction	61
Winter Median U-Value	0.98
Emissivity	0.80

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View 25

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	23
Total Solar Energy Rejected	63
Luminous Efficacy	0.53
Shading Coefficient	0.43
Solar Heat Gain Coefficient	0.37
Total Solar Transmittance	22
Total Solar Reflectance	26
Total Solar Absorbance	52
Visible Light Reflectance (Int)	15
Visible Light Reflectance (Ext)	30
UV Rejected	>99
Glare Reduction	74
Winter Median U-Value	0.94
Emissivity	0.74

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View 15

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	14
Total Solar Energy Rejected	75
Luminous Efficacy	0.48
Shading Coefficient	0.29
Solar Heat Gain Coefficient	0.25
Total Solar Transmittance	13
Total Solar Reflectance	44
Total Solar Absorbance	43
Visible Light Reflectance (Int)	21
Visible Light Reflectance (Ext)	49
UV Rejected	>99
Glare Reduction	87
Winter Median U-Value	0.92
Emissivity	0.70

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View 10

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	13
Total Solar Energy Rejected	54
Luminous Efficacy	0.24
Shading Coefficient	0.54
Solar Heat Gain Coefficient	0.46
Total Solar Transmittance	35
Total Solar Reflectance	16
Total Solar Absorbance	49
Visible Light Reflectance (Int)	14
Visible Light Reflectance (Ext)	21
UV Rejected	>99
Glare Reduction	90
Winter Median U-Value	0.92
Emissivity	0.70

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

DR Night View 05

Category	Architectural
Series	Dual Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	7
Total Solar Energy Rejected	80
Luminous Efficacy	0.30
Shading Coefficient	0.23
Solar Heat Gain Coefficient	0.20
Total Solar Transmittance	8
Total Solar Reflectance	49
Total Solar Absorbance	43
Visible Light Reflectance (Int)	16
Visible Light Reflectance (Ext)	58
UV Rejected	>99
Glare Reduction	92
Winter Median U-Value	0.92
Emissivity	0.70

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

SP Sputtered Neutral 60

Category	Architectural
Series	Sputtered
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Sputtered
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	60
Total Solar Energy Rejected	37
Luminous Efficacy	0.81
Shading Coefficient	0.74
Solar Heat Gain Coefficient	0.63
Total Solar Transmittance	53
Total Solar Reflectance	8
Total Solar Absorbance	39
Visible Light Reflectance (Int)	8
Visible Light Reflectance (Ext)	10
UV Rejected	>99
Glare Reduction	21
Winter Median U-Value	1.04
Emissivity	0.87

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

SP Sputtered Neutral 45

Category	Architectural
Series	Sputtered
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Sputtered
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	44
Total Solar Energy Rejected	47
Luminous Efficacy	0.71
Shading Coefficient	0.62
Solar Heat Gain Coefficient	0.53
Total Solar Transmittance	39
Total Solar Reflectance	10
Total Solar Absorbance	51
Visible Light Reflectance (Int)	12
Visible Light Reflectance (Ext)	14
UV Rejected	>99
Glare Reduction	50
Winter Median U-Value	1.04
Emissivity	0.86

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

SP Sputtered Neutral 35

Category	Architectural
Series	Sputtered
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Sputtered
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	33
Total Solar Energy Rejected	57
Luminous Efficacy	0.65
Shading Coefficient	0.51
Solar Heat Gain Coefficient	0.43
Total Solar Transmittance	29
Total Solar Reflectance	14
Total Solar Absorbance	57
Visible Light Reflectance (Int)	16
Visible Light Reflectance (Ext)	19
UV Rejected	>99
Glare Reduction	63
Winter Median U-Value	1.03
Emissivity	0.83

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

SP Sputtered Neutral 20

Category	Architectural
Series	Sputtered
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Sputtered
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	18
Total Solar Energy Rejected	67
Luminous Efficacy	0.46
Shading Coefficient	0.39
Solar Heat Gain Coefficient	0.33
Total Solar Transmittance	16
Total Solar Reflectance	22
Total Solar Absorbance	62
Visible Light Reflectance (Int)	28
Visible Light Reflectance (Ext)	29
UV Rejected	>99
Glare Reduction	79
Winter Median U-Value	1.02
Emissivity	0.82

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

SP Sputtered Bronze 35

Category	Architectural
Series	Sputtered
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Sputtered
Color	Dye Free
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	37
Total Solar Energy Rejected	67
Luminous Efficacy	0.95
Shading Coefficient	0.39
Solar Heat Gain Coefficient	0.33
Total Solar Transmittance	22
Total Solar Reflectance	31
Total Solar Absorbance	47
Visible Light Reflectance (Int)	24
Visible Light Reflectance (Ext)	25
UV Rejected	>99
Glare Reduction	58
Winter Median U-Value	0.91
Emissivity	0.62

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

SP Sputtered Bronze 20

Category	Architectural
Series	Sputtered
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Sputtered
Color	Dye Free
Adhesive	Dry Adhesive

Solar Performance:

Visible Light Transmission	18
Total Solar Energy Rejected	79
Luminous Efficacy	0.72
Shading Coefficient	0.25
Solar Heat Gain Coefficient	0.21
Total Solar Transmittance	9
Total Solar Reflectance	43
Total Solar Absorbance	48
Visible Light Reflectance (Int)	38
Visible Light Reflectance (Ext)	37
UV Rejected	>99
Glare Reduction	80
Winter Median U-Value	0.94
Emissivity	0.67

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

NE Neutral 50

Category	Architectural
Series	Neutral
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	49
Total Solar Energy Rejected	42
Luminous Efficacy	0.73
Shading Coefficient	0.67
Solar Heat Gain Coefficient	0.58
Total Solar Transmittance	44
Total Solar Reflectance	13
Total Solar Absorbance	43
Visible Light Reflectance (Int)	12
Visible Light Reflectance (Ext)	14
UV Rejected	>99
Glare Reduction	46
Winter Median U-Value	1.03
Emissivity	0.84

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

NE Neutral 35

Category	Architectural
Series	Neutral
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	40
Total Solar Energy Rejected	50
Luminous Efficacy	0.68
Shading Coefficient	0.59
Solar Heat Gain Coefficient	0.50
Total Solar Transmittance	36
Total Solar Reflectance	16
Total Solar Absorbance	48
Visible Light Reflectance (Int)	15
Visible Light Reflectance (Ext)	18
UV Rejected	>99
Glare Reduction	56
Winter Median U-Value	1.00
Emissivity	0.81

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

NE Neutral 20

Category	Architectural
Series	Neutral
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	23
Total Solar Energy Rejected	56
Luminous Efficacy	0.44
Shading Coefficient	0.52
Solar Heat Gain Coefficient	0.44
Total Solar Transmittance	35
Total Solar Reflectance	22
Total Solar Absorbance	43
Visible Light Reflectance (Int)	19
Visible Light Reflectance (Ext)	21
UV Rejected	>99
Glare Reduction	80
Winter Median U-Value	1.04
Emissivity	0.70

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

RF Silver 68

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	65
Total Solar Energy Rejected	35
Luminous Efficacy	0.84
Shading Coefficient	0.77
Solar Heat Gain Coefficient	0.65
Total Solar Transmittance	62
Total Solar Reflectance	15
Total Solar Absorbance	23
Visible Light Reflectance (Int)	14
Visible Light Reflectance (Ext)	15
UV Rejected	>99
Glare Reduction	31
Winter Median U-Value	1.05
Emissivity	0.83

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

RF Silver 53

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	48
Total Solar Energy Rejected	54
Luminous Efficacy	0.89
Shading Coefficient	0.54
Solar Heat Gain Coefficient	0.46
Total Solar Transmittance	36
Total Solar Reflectance	29
Total Solar Absorbance	35
Visible Light Reflectance (Int)	28
Visible Light Reflectance (Ext)	26
UV Rejected	>99
Glare Reduction	47
Winter Median U-Value	0.97
Emissivity	0.75

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

RF Silver 35

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	28
Total Solar Energy Rejected	69
Luminous Efficacy	0.77
Shading Coefficient	0.36
Solar Heat Gain Coefficient	0.31
Total Solar Transmittance	21
Total Solar Reflectance	43
Total Solar Absorbance	36
Visible Light Reflectance (Int)	46
Visible Light Reflectance (Ext)	49
UV Rejected	>99
Glare Reduction	69
Winter Median U-Value	0.96
Emissivity	0.73

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

RF Silver 15

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year Color Stable

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Dye Free
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	16
Total Solar Energy Rejected	79
Luminous Efficacy	0.64
Shading Coefficient	0.25
Solar Heat Gain Coefficient	0.21
Total Solar Transmittance	12
Total Solar Reflectance	54
Total Solar Absorbance	34
Visible Light Reflectance (Int)	62
Visible Light Reflectance (Ext)	62
UV Rejected	>99
Glare Reduction	82
Winter Median U-Value	0.94
Emissivity	0.71

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

RF Silver/Grey 15

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	11
Total Solar Energy Rejected	80
Luminous Efficacy	0.48
Shading Coefficient	0.23
Solar Heat Gain Coefficient	0.20
Total Solar Transmittance	13
Total Solar Reflectance	55
Total Solar Absorbance	32
Visible Light Reflectance (Int)	53
Visible Light Reflectance (Ext)	43
UV Rejected	>99
Glare Reduction	89
Winter Median U-Value	0.91
Emissivity	0.60

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

RF Silver/Green 15

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	18
Total Solar Energy Rejected	76
Luminous Efficacy	0.64
Shading Coefficient	0.28
Solar Heat Gain Coefficient	0.24
Total Solar Transmittance	15
Total Solar Reflectance	45
Total Solar Absorbance	40
Visible Light Reflectance (Int)	48
Visible Light Reflectance (Ext)	38
UV Rejected	>99
Glare Reduction	78
Winter Median U-Value	0.91
Emissivity	0.60

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

RF Silver/Gold 15

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	16
Total Solar Energy Rejected	79
Luminous Efficacy	0.64
Shading Coefficient	0.25
Solar Heat Gain Coefficient	0.21
Total Solar Transmittance	14
Total Solar Reflectance	51
Total Solar Absorbance	35
Visible Light Reflectance (Int)	49
Visible Light Reflectance (Ext)	39
UV Rejected	>99
Glare Reduction	85
Winter Median U-Value	0.91
Emissivity	0.60

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

RF Silver/Bronze 15

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	17
Total Solar Energy Rejected	78
Luminous Efficacy	0.67
Shading Coefficient	0.25
Solar Heat Gain Coefficient	0.22
Total Solar Transmittance	14
Total Solar Reflectance	54
Total Solar Absorbance	32
Visible Light Reflectance (Int)	51
Visible Light Reflectance (Ext)	41
UV Rejected	>99
Glare Reduction	87
Winter Median U-Value	0.91
Emissivity	0.60

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

RF Silver/Blue 15

Category	Architectural
Series	Reflective
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Vapor Deposition
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	17
Total Solar Energy Rejected	79
Luminous Efficacy	0.68
Shading Coefficient	0.25
Solar Heat Gain Coefficient	0.21
Total Solar Transmittance	15
Total Solar Reflectance	53
Total Solar Absorbance	32
Visible Light Reflectance (Int)	48
Visible Light Reflectance (Ext)	37
UV Rejected	>99
Glare Reduction	80
Winter Median U-Value	0.91
Emissivity	0.60

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

CR Pearl Ceramic 76 43ir

Category	Architectural
Series	Ceramic
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	70
Total Solar Energy Rejected	45
Luminous Efficacy	1.09
Shading Coefficient	0.64
Solar Heat Gain Coefficient	0.55
Total Solar Transmittance	59
Total Solar Reflectance	10
Total Solar Absorbance	31
Visible Light Reflectance (Int)	9
Visible Light Reflectance (Ext)	9
UV Rejected	>99
Glare Reduction	22
Winter Median U-Value	1.09
Emissivity	0.99

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

CR Pearl Ceramic 68 65ir

Category	Architectural
Series	Ceramic
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	61
Total Solar Energy Rejected	50
Luminous Efficacy	1.05
Shading Coefficient	0.58
Solar Heat Gain Coefficient	0.50
Total Solar Transmittance	43
Total Solar Reflectance	29
Total Solar Absorbance	28
Visible Light Reflectance (Int)	20
Visible Light Reflectance (Ext)	20
UV Rejected	>99
Glare Reduction	32
Winter Median U-Value	1.04
Emissivity	0.67

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

CR Pearl Ceramic 67 77ir

Category	Architectural
Series	Ceramic
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	61
Total Solar Energy Rejected	49
Luminous Efficacy	1.01
Shading Coefficient	0.60
Solar Heat Gain Coefficient	0.51
Total Solar Transmittance	44
Total Solar Reflectance	35
Total Solar Absorbance	21
Visible Light Reflectance (Int)	8
Visible Light Reflectance (Ext)	8
UV Rejected	>99
Glare Reduction	32
Winter Median U-Value	1.06
Emissivity	0.99

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

CR Pearl Ceramic 58 85ir

Category	Architectural
Series	Ceramic
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	51
Total Solar Energy Rejected	56
Luminous Efficacy	1.00
Shading Coefficient	0.51
Solar Heat Gain Coefficient	0.44
Total Solar Transmittance	36
Total Solar Reflectance	31
Total Solar Absorbance	33
Visible Light Reflectance (Int)	28
Visible Light Reflectance (Ext)	20
UV Rejected	>99
Glare Reduction	49
Winter Median U-Value	1.07
Emissivity	0.66

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

GL Glare Down 70

Category	Architectural
Series	Anti-Glare
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Color in Laminating Adhesive
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	72
Total Solar Energy Rejected	26
Luminous Efficacy	0.83
Shading Coefficient	0.87
Solar Heat Gain Coefficient	0.74
Total Solar Transmittance	70
Total Solar Reflectance	9
Total Solar Absorbance	21
Visible Light Reflectance (Int)	6
Visible Light Reflectance (Ext)	7
UV Rejected	>99
Glare Reduction	28
Winter Median U-Value	1.13
Emissivity	0.86

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

GL Glare Down 50

Category	Architectural
Series	Anti-Glare
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Deep Dip Transitional Dyed
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	48
Total Solar Energy Rejected	31
Luminous Efficacy	0.59
Shading Coefficient	0.81
Solar Heat Gain Coefficient	0.69
Total Solar Transmittance	60
Total Solar Reflectance	5
Total Solar Absorbance	35
Visible Light Reflectance (Int)	4
Visible Light Reflectance (Ext)	4
UV Rejected	>99
Glare Reduction	47
Winter Median U-Value	1.12
Emissivity	0.89

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

GL Glare Down 35

Category	Architectural
Series	Anti-Glare
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Deep Dip Transitional Dyed
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	35
Total Solar Energy Rejected	38
Luminous Efficacy	0.48
Shading Coefficient	0.73
Solar Heat Gain Coefficient	0.62
Total Solar Transmittance	52
Total Solar Reflectance	7
Total Solar Absorbance	41
Visible Light Reflectance (Int)	6
Visible Light Reflectance (Ext)	6
UV Rejected	>99
Glare Reduction	62
Winter Median U-Value	1.12
Emissivity	0.88

Film-To-Glass Approval:

Single Pane <100SF | Double Pane <40SF

GL Glare Down 20

Category	Architectural
Series	Anti-Glare
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Deep Dip Transitional Dyed
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	20
Total Solar Energy Rejected	41
Luminous Efficacy	0.29
Shading Coefficient	0.69
Solar Heat Gain Coefficient	0.59
Total Solar Transmittance	47
Total Solar Reflectance	7
Total Solar Absorbance	46
Visible Light Reflectance (Int)	5
Visible Light Reflectance (Ext)	4
UV Rejected	>99
Glare Reduction	78
Winter Median U-Value	1.13
Emissivity	0.89

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No

GL Glare Down 05

Category	Architectural
Series	Anti-Glare
Warranty	Res-Life Com-12 Year

Construction:

Ply	2 Ply
Thickness	1.5 Mil
Metal	Metal Free
Color	Deep Dip Transitional Dyed
Adhesive	Pressure Adhesive

Solar Performance:

Visible Light Transmission	5
Total Solar Energy Rejected	44
Luminous Efficacy	0.08
Shading Coefficient	0.66
Solar Heat Gain Coefficient	0.56
Total Solar Transmittance	44
Total Solar Reflectance	7
Total Solar Absorbance	49
Visible Light Reflectance (Int)	5
Visible Light Reflectance (Ext)	5
UV Rejected	>99
Glare Reduction	95
Winter Median U-Value	1.12
Emissivity	0.89

Film-To-Glass Approval:

Single Pane <100SF | Double Pane - No



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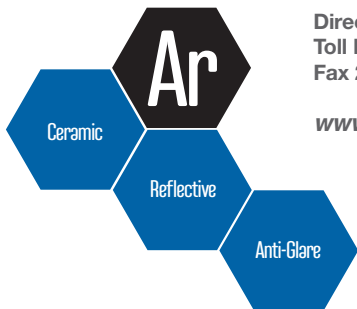
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