

Neutral Films Interior



Neutral Films

PerLite ceramic-based films deliver an attractive neutral color, low visible reflectance and outstanding performance*, ideal for both residential and commercial projects. PerLite is available with PS or water activated adhesive in a range of light transmissions, and as a security laminate under the SolarZone Safe line.

Natura is a range of low reflectance neutral grey interior solar control films, with highly effective heat rejection and glare reduction. Developed for residential & commercial projects targeting effective energy control but requiring a subtle appearance on glass, Natura is ideal for installation on single pane windows; consult Hanita's film-to-glass guide for additional applications.

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- Natura 07 R058L7W
- Natura 15 R058L9W
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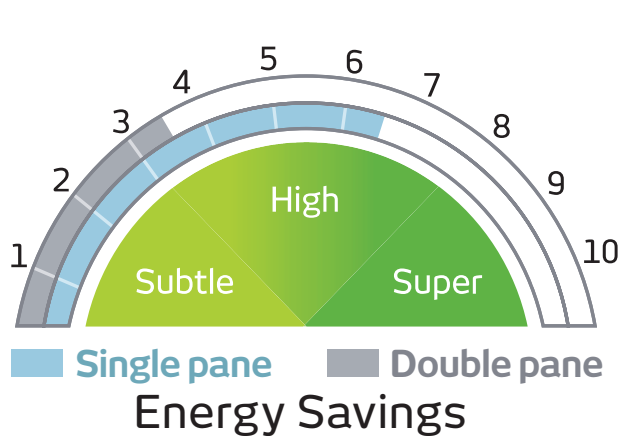
PerLite 20

OPTICAL & SOLAR PROPERTIES

	Single Pane	Double Pane
Visible Light Transmitted	22 %	20 %
Visible Light Reflected (Int)	24 %	25 %
Visible Light Reflected (Ext)	25 %	31 %
Ultra Violet Block	99 %	99 %
Total Solar Energy Reflected	29 %	29 %
Total Solar Energy Transmitted	14 %	13 %
Total Solar Energy Absorbed	57 %	58 %
Emissivity (Room Side)	0.76	0.76
Glare Reduction	76 %	75 %
Shading Coefficient	0.36	0.51
Solar Heat Gain Coeff. (G-Value)	0.30	0.44
U-Value Winter (IP)	1.00	0.47
U-Value Winter (SI)	5.68	2.67
Luminous Efficacy	0.62	0.40
Total Solar Energy Rejected	70 %	56 %

R070L6W - PerLite 20 Water Activated Adhesive

US Patented Technology



Ed-E DS No 1192 February 2015

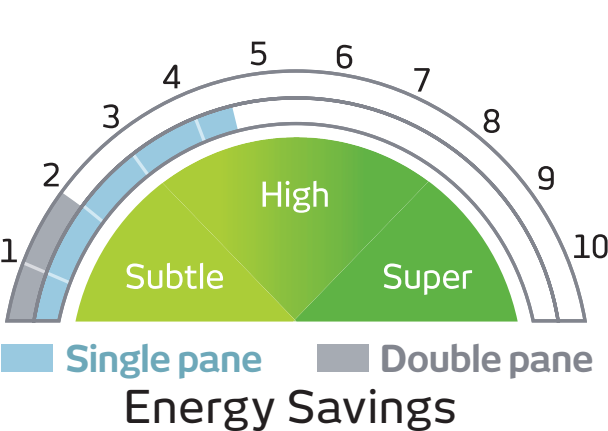
PerLite 35

OPTICAL & SOLAR PROPERTIES

	Single Pane	Double Pane
Visible Light Transmitted	40 %	37 %
Visible Light Reflected (Int)	15 %	16 %
Visible Light Reflected (Ext)	17 %	23 %
Ultra Violet Block	99 %	99 %
Total Solar Energy Reflected	17 %	20 %
Total Solar Energy Transmitted	29 %	25 %
Total Solar Energy Absorbed	54 %	55 %
Emissivity (Room Side)	0.82	0.82
Glare Reduction	56 %	55 %
Shading Coefficient	0.52	0.64
Solar Heat Gain Coeff. (G-Value)	0.45	0.55
U-Value Winter (IP)	1.03	0.48
U-Value Winter (SI)	5.85	2.72
Luminous Efficacy	0.75	0.57
Total Solar Energy Rejected	55 %	45 %

R070L5W - PerLite 35 Water Activated Adhesive

US Patented Technology



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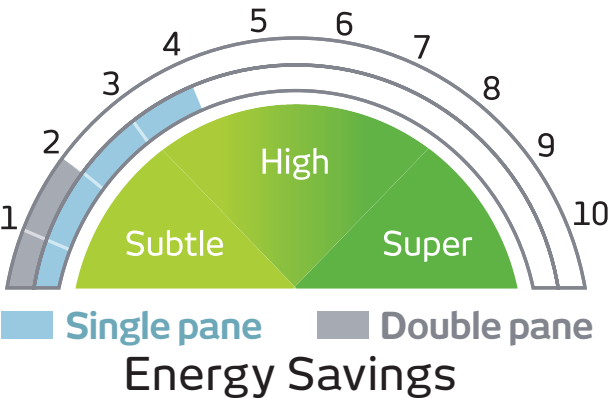
PerLite 50

OPTICAL & SOLAR PROPERTIES

	Single Pane	Double Pane
Visible Light Transmitted	51 %	47 %
Visible Light Reflected (Int)	16 %	19 %
Visible Light Reflected (Ext)	18 %	24 %
Ultra Violet Block	99 %	99 %
Total Solar Energy Reflected	20 %	23 %
Total Solar Energy Transmitted	40 %	35 %
Total Solar Energy Absorbed	40 %	42 %
Emissivity (Room Side)	0.84	0.84
Glare Reduction	43 %	42 %
Shading Coefficient	0.60	0.66
Solar Heat Gain Coeff. (G-Value)	0.51	0.57
U-Value Winter (IP)	1.04	0.48
U-Value Winter (SI)	5.91	2.73
Luminous Efficacy	0.85	0.72
Total Solar Energy Rejected	49 %	43 %

R069L3W - PerLite 50 Water Activated Adhesive
 R058L3S - PerLite 50 Pressure Sensitive Adhesive

US Patented Technology



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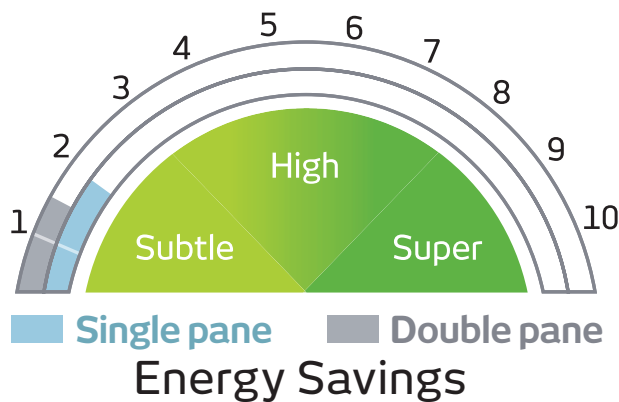
PerLite 70

OPTICAL & SOLAR PROPERTIES

	Single Pane	Double Pane
Visible Light Transmitted	68 %	61%
Visible Light Reflected (Int)	9 %	12 %
Visible Light Reflected (Ext)	10 %	17 %
Ultra Violet Block	99 %	99 %
Total Solar Energy Reflected	10 %	15 %
Total Solar Energy Transmitted	59 %	50 %
Total Solar Energy Absorbed	31 %	35 %
Emissivity (Room Side)	0.91	0.91
Glare Reduction	25 %	25 %
Shading Coefficient	0.79	0.79
Solar Heat Gain Coeff. (G-Value)	0.69	0.68
U-Value Winter (IP)	1.08	0.49
U-Value Winter (SI)	6.13	2.78
Luminous Efficacy	0.86	0.78
Total Solar Energy Rejected	31 %	32 %

R069L4W - PerLite 70 Water Activated Adhesive

US Patented Technology



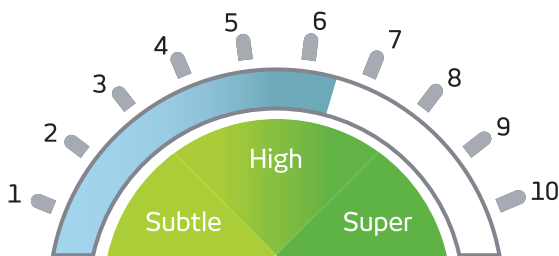
Ed-E DS No 1178 February 2015

Natura 07

OPTICAL & SOLAR PROPERTIES

	Single Pane
Visible Light Transmitted	7 %
Visible Light Reflected (Int)	11 %
Visible Light Reflected (Ext)	14 %
Ultra Violet Block	99 %
Total Solar Energy Reflected	20 %
Total Solar Energy Transmitted	12 %
Total Solar Energy Absorbed	68 %
Emissivity (Room Side)	0.78
Glare Reduction	92 %
Shading Coefficient	0.35
Solar Heat Gain Coeff. (G-Value)	0.30
U-Value Winter (IP)	1.01
U-Value Winter (SI)	5.73
Luminous Efficacy	0.20
Total Solar Energy Rejected	70 %

R058L7W - Natura 07 Water Activated Adhesive



Energy Savings

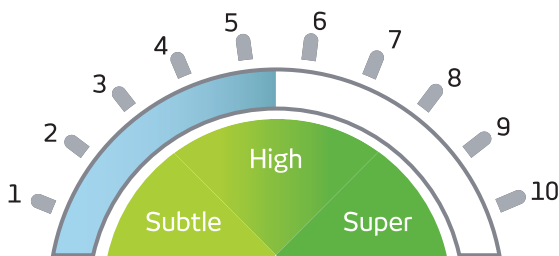
Natura 15

OPTICAL & SOLAR PROPERTIES

	Single Pane
Visible Light Transmitted	16 %
Visible Light Reflected (Int)	11 %
Visible Light Reflected (Ext)	9 %
Ultra Violet Block	99 %
Total Solar Energy Reflected	10 %
Total Solar Energy Transmitted	15 %
Total Solar Energy Absorbed	75 %
Emissivity (Room Side)	0.86
Glare Reduction	83 %
Shading Coefficient	0.44
Solar Heat Gain Coeff. (G-Value)	0.38
U-Value Winter (IP)	1.05
U-Value Winter (SI)	5.8
Luminous Efficacy	0.36
Total Solar Energy Rejected	62 %

R058L9W - Natura 15 Water Activated Adhesive

WERS and NFRC pending



Energy Savings

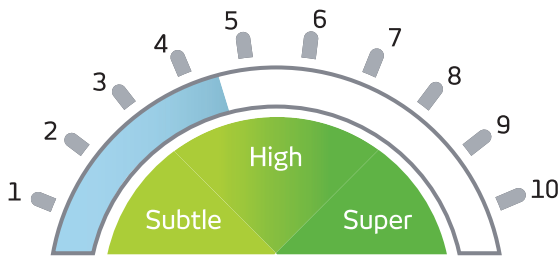
Natura 28

OPTICAL & SOLAR PROPERTIES

	Single Pane
Visible Light Transmitted	31 %
Visible Light Reflected (Int)	9 %
Visible Light Reflected (Ext)	14 %
Ultra Violet Block	99 %
Total Solar Energy Reflected	15 %
Total Solar Energy Transmitted	33 %
Total Solar Energy Absorbed	52 %
Emissivity (Room Side)	0.87
Glare Reduction	65 %
Shading Coefficient	0.56
Solar Heat Gain Coeff. (G-Value)	0.48
U-Value Winter (IP)	1.05
U-Value Winter (SI)	6.00
Luminous Efficacy	0.55
Total Solar Energy Rejected	52 %

R069L8W - Natura 28 Water Activated Adhesive

WERS and NFRC pending



Energy Savings