

ENHANCED OPTICS



HIGH DEFINITION CERAMIC



GLARE CONTROL



NATURAL INTERNAL VIEW



LOWER ENERGY COSTS



SIGNAL FRIENDLY



MAXIMUM UV BLOCKING



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## PERFORMANCE DATA

# natureVUE™

HIGH DEFINITION CERAMIC

*Technology driven formula for supreme vision*

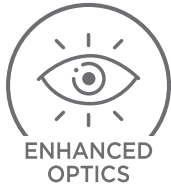
On 3mm clear glass

Product Code	HD05
Film Thickness	2.0 mil
Film Roll Sizes	72" / 60" / 48" / 36" / 24"
Adhesive Chemistry	(Dry) Water Activated
Release Liner Construction	(BOPP) Polypropylene
Total Solar Energy Rejected (T.S.E.R.)	74 %
Visible Light Transmitted (V.L.T.)	5 %
Visible Light Reflected - Interior/Exterior	12 % / 18 %
Solar Energy Reflected	19 %
Solar Energy Transmitted	8 %
Solar Energy Absorbed	74 %
Visible Glare Reduction	95 %
Ultraviolet Protection	99 %
Fading Reduction Estimate	84 %
Shading Coefficient (S.C.)	0.30
Solar Heat Gain Coefficient (S.H.C.G.)	0.26
Winter U-Value (W/M <sup>2</sup> K)	5.99
Emissivity (Room side)	0.77
Luminous Efficacy	0.28
Daytime Privacy Rating	High
Warranty	Lifetime Residential / 12 Year Commercial

**NEUTRAL GREY**  
Residential & Commercial  
Glass Window Film

**HD05**

03/ULT 040723



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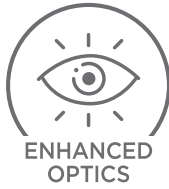
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On 3mm clear glass

Product Code	HD15
Film Thickness	2.0 mil
Film Roll Sizes	72" / 60" / 48" / 36" / 24"
Adhesive Chemistry	(Dry) Water Activated
Release Liner Construction	(BOPP) Polypropylene
Total Solar Energy Rejected (T.S.E.R.)	70 %
Visible Light Transmitted (V.L.T.)	13 %
Visible Light Reflected - Interior/Exterior	14 % / 19 %
Solar Energy Reflected	20 %
Solar Energy Transmitted	9 %
Solar Energy Absorbed	71 %
Visible Glare Reduction	86 %
Ultraviolet Protection	99 %
Fading Reduction Estimate	80 %
Shading Coefficient (S.C.)	0.35
Solar Heat Gain Coefficient (S.H.C.G.)	0.30
Winter U-Value (W/M <sup>2</sup> K)	6.01
Emissivity (Room side)	0.78
Luminous Efficacy	0.45
Daytime Privacy Rating	High
Warranty	Lifetime Residential / 12 Year Commercial

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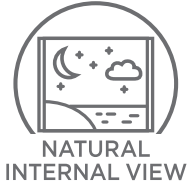
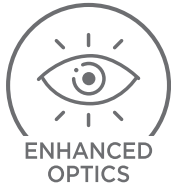
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On 3mm clear glass

Product Code	HD25
Film Thickness	2.0 mil
Film Roll Sizes	72" / 60" / 48" / 36" / 24"
Adhesive Chemistry	(Dry) Water Activated
Release Liner Construction	(BOPP) Polypropylene
Total Solar Energy Rejected (T.S.E.R.)	65 %
Visible Light Transmitted (V.L.T.)	24 %
Visible Light Reflected - Interior/Exterior	14 % / 16 %
Solar Energy Reflected	15 %
Solar Energy Transmitted	16 %
Solar Energy Absorbed	69 %
Visible Glare Reduction	76 %
Ultraviolet Protection	99 %
Fading Reduction Estimate	75 %
Shading Coefficient (S.C.)	0.41
Solar Heat Gain Coefficient (S.H.C.G.)	0.35
Winter U-Value (W/M <sup>2</sup> K)	6.03
Emissivity (Room side)	0.75
Luminous Efficacy	0.60
Daytime Privacy Rating	High
Warranty	Lifetime Residential / 12 Year Commercial

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**HD25**



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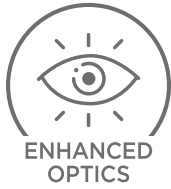
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On 3mm clear glass

Product Code	HD35
Film Thickness	2.0 mil
Film Roll Sizes	72" / 60" / 48" / 36" / 24"
Adhesive Chemistry	(Dry) Water Activated
Release Liner Construction	(BOPP) Polypropylene
Total Solar Energy Rejected (T.S.E.R.)	61 %
Visible Light Transmitted (V.L.T.)	32 %
Visible Light Reflected - Interior/Exterior	10 % / 12 %
Solar Energy Reflected	12 %
Solar Energy Transmitted	23 %
Solar Energy Absorbed	65 %
Visible Glare Reduction	67 %
Ultraviolet Protection	99 %
Fading Reduction Estimate	72 %
Shading Coefficient (S.C.)	0.45
Solar Heat Gain Coefficient (S.H.C.G.)	0.39
Winter U-Value (W/M <sup>2</sup> K)	6.17
Emissivity (Room side)	0.80
Luminous Efficacy	0.72
Daytime Privacy Rating	Medium
Warranty	Lifetime Residential / 12 Year Commercial

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**HD35**



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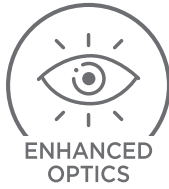
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On 3mm clear glass

Product Code	HD45
Film Thickness	2.0 mil
Film Roll Sizes	72" / 60" / 48" / 36" / 24"
Adhesive Chemistry	(Dry) Water Activated
Release Liner Construction	(BOPP) Polypropylene
Total Solar Energy Rejected (T.S.E.R.)	52 %
Visible Light Transmitted (V.L.T.)	40 %
Visible Light Reflected - Interior/Exterior	9 % / 10 %
Solar Energy Reflected	11 %
Solar Energy Transmitted	35 %
Solar Energy Absorbed	54 %
Visible Glare Reduction	59 %
Ultraviolet Protection	99 %
Fading Reduction Estimate	68 %
Shading Coefficient (S.C.)	0.55
Solar Heat Gain Coefficient (S.H.C.G.)	0.48
Winter U-Value (W/M <sup>2</sup> K)	6.10
Emissivity (Room side)	0.82
Luminous Efficacy	0.73
Daytime Privacy Rating	Low
Warranty	Lifetime Residential / 12 Year Commercial

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**HD45**



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## PERFORMANCE DATA

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On 3mm clear glass

Product Code	HD55
Film Thickness	2.0 mil
Film Roll Sizes	72" / 60" / 48" / 36" / 24"
Adhesive Chemistry	(Dry) Water Activated
Release Liner Construction	(BOPP) Polypropylene
Total Solar Energy Rejected (T.S.E.R.)	43 %
Visible Light Transmitted (V.L.T.)	55 %
Visible Light Reflected - Interior/Exterior	9 % / 10 %
Solar Energy Reflected	11 %
Solar Energy Transmitted	45 %
Solar Energy Absorbed	44 %
Visible Glare Reduction	42 %
Ultraviolet Protection	99 %
Fading Reduction Estimate	63 %
Shading Coefficient (S.C.)	0.67
Solar Heat Gain Coefficient (S.H.C.G.)	0.57
Winter U-Value (W/M <sup>2</sup> K)	6.30
Emissivity (Room side)	0.84
Luminous Efficacy	0.82
Daytime Privacy Rating	Zero
Warranty	Lifetime Residential / 12 Year Commercial

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Glass Window Film

**HD55**