

Technical Specifications

AIS Ecosense Enhance – Performance Parameters

Glass Details		Light Factors			Energy Factors		
Product Name	Shade	Transmission	Reflection		SF	SC	U-Value
			External	Internal			
		%	%	%	%		

Solar Control Glass – 6 mm

Spring	Clear	65	21	24	69	0.79	5.7
Nimbus	Clear	54	21	14	59	0.68	5.4
Aura	Clear	53	25	21	58	0.67	5.7
Nectar	Clear	37	22	16	45	0.52	5.3
Dawn	Clear	29	20	34	43	0.50	5.7
Ivory	Clear	23	34	19	34	0.39	4.9
Snow	Clear	23	26	36	38	0.44	5.7
Solaris	Clear	8	44	36	14	0.16	3.6
Oasis	Blue	30	17	26	41	0.47	4.8
Oceanic Blue Plus	Blue	22	20	29	33	0.38	5.0
Meadow	Green	56	14	21	48	0.56	5.7
Harmony	Green	46	16	15	46	0.53	5.4
Coral	Green	44	19	22	46	0.53	5.7
Lime	Green	31	17	16	37	0.43	5.7
Pine	Green	25	16	34	35	0.40	5.7
Jade	Green	21	20	35	36	0.41	5.7
Citrus	Green	18	25	21	31	0.36	4.9
Gold	Gold	49	26	27	58	0.67	5.7

6 mm (Solar Control Glass) - 12 mm (Air Gap) - 6 mm (Clear Glass)

Spring	Clear	59	24	26	60	0.70	2.8
Aura	Clear	48	27	25	46	0.53	2.8
Nimbus	Clear	47	23	18	48	0.55	2.8
Nectar	Clear	32	23	21	35	0.39	2.7
Dawn	Clear	26	21	35	33	0.38	2.8
Snow	Clear	21	27	36	28	0.32	2.8
Ivory	Clear	20	34	23	25	0.29	2.6
Solaris	Clear	7	43	33	9	0.10	1.9
Oasis	Blue	27	17	29	31	0.36	2.5
Oceanic Blue Plus	Blue	21	21	29	25	0.30	2.5
Meadow	Green	49	17	25	39	0.44	2.8
Harmony	Green	40	18	20	34	0.39	2.8
Coral	Green	39	20	25	35	0.40	2.8
Lime	Green	27	18	20	26	0.30	2.7
Pine	Green	22	16	35	24	0.28	2.8
Jade	Green	18	20	35	24	0.28	2.8
Citrus	Green	16	25	24	21	0.24	2.6
Gold	Gold	44	27	29	48	0.56	2.8

AIS Ecosense Exceed – Performance Parameters

Glass Details		Light Factors			Energy Factors		
Product Name	Shade	Transmission	Reflection		SF	SC	U-Value
			External	Internal			W/m ² K
		%	%	%	%		

6 mm Solar Control Low-E Glass – 12 mm Air Gap – 6 mm Clear Glass

Clear Lite Plus	Clear	54	15	11	38	0.44	1.7
Clear Radiance	Clear	47	22	14	35	0.40	1.7
Clear Vision Plus	Clear	39	23	13	29	0.33	1.7
Clear Brook Plus	Clear	33	39	21	22	0.25	1.6
Clear Priva	Clear	30	31	17	22	0.26	1.7
Clear Comfort	Clear	30	25	14	24	0.28	1.7
Clear Platina	Clear	27	40	16	21	0.24	1.7
Tropic Blue	Blue	44	16	16	34	0.39	1.8
Electric Blue	Blue	36	23	17	31	0.36	1.8
Blue Berry	Blue	29	21	20	26	0.30	1.7
Green Lite Plus	Green	47	14	11	29	0.33	1.7
Green Radiance Plus	Green	42	18	14	27	0.30	1.7
Green Vision Plus	Green	34	19	13	22	0.25	1.7
Aquamarine	Green	32	17	17	23	0.26	1.7
Green Brook Plus	Green	26	30	23	18	0.21	1.7
Green Priva	Green	26	21	17	19	0.22	1.7
Green Comfort	Green	26	18	14	20	0.23	1.7
Green Platina	Green	24	28	17	18	0.21	1.6
Aurelia	Gold	30	41	46	24	0.28	1.6

AIS Ecosense Excel – Performance Parameters

Glass Details		Light Factors			Energy Factors		
Product Name	Shade	Transmission	Reflection		SF	SC	U-Value
			External	Internal			W/m ² K
		%	%	%	%		

6 mm Double Low-E Glass – 12 mm Air Gap – 6 mm Clear Glass

Clear Sparkle	Clear	46	19	17	25	0.29	1.6
Clear Pearl	Clear	41	19	13	23	0.26	1.6
Clear Marvel	Clear	30	19	18	18	0.21	1.6
Green Sparkle	Green	41	17	18	22	0.25	1.6
Green Pearl	Green	34	15	13	20	0.23	1.6
Green Marvel	Green	27	16	18	18	0.21	1.6

AIS Ecosense Edge – Performance Parameters

Glass Details		Light Factors			Energy Factors		
Product Name	Shade	Transmission	Reflection		SF	SC	U-Value
			External	Internal			W/m ² K
		%	%	%	%		

AIS Ecosense Edge / Edge Plus – 6 mm (Solar Control & Thermal Insulation Glass)

Natura	Clear	28	27	10	30	0.35	3.7
Chroma	Green	23	21	10	26	0.30	3.7
Natura Plus	Clear	45	20	6	42	0.48	4.6
Chroma Plus	Green	38	19	6	31	0.36	4.6
Natura Advantage	Clear	34	23	8	34	0.39	4.0
Chroma Advantage	Green	28	17	9	29	0.33	3.6

AIS Ecosense Edge / Edge Plus – 6 mm (Solar Control & Thermal Insulation Glass) – 12 mm (Air Gap) – 6 mm (Clear Glass)

Natura	Clear	25	28	16	24	0.28	2.0
Chroma	Green	20	21	16	19	0.22	2.0
Natura Plus	Clear	40	22	12	33	0.38	2.4
Chroma Plus	Green	35	12	12	23	0.26	2.4
Natura Advantage	Clear	30	24	14	25	0.29	1.9
Chroma Advantage	Green	25	18	16	21	0.24	2.0

AIS Ecosense Essence – Performance Parameters

Glass Details		Light Factors			Energy Factors		
Product Name	Shade	Transmission	Reflection		SF	SC	U-Value
			External	Internal			W/m ² K
		%	%	%	%		

6 mm Low-E Glass – 12 mm Air Gap – 6 mm Clear Glass

Clear Essence plus	Clear	71	10	12	53	0.61	1.8
Green Essence plus	Green	59	9	11	37	0.43	1.8

AIS Sunshield – Performance Parameters

Glass Details	Light Factors			Energy Factors		
	Transmission	Reflection		SF	SC	U-Value
		External	Internal			
Shade	%	%	%	%		W/m ² K

AIS Sunshield (Single Glazed 3.5 mm)

Royal Gold	43	24	27	50	57	5.80
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AIS Sunshield (Single Glazed 4 mm)

Royal Gold	41	24	27	52	60	5.80
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AIS Sunshield (5 mm)

Leaf Green	17	38	16	31	0.36	5.67
Oceanic Blue	28	20	29	39	0.45	5.71
Radiant Amber	18	20	15	31	0.36	5.67
Icy Clear	65	22	25	66	0.76	5.75
Royal Gold (Single Glazed)	40	23	26	52	0.60	5.80

AIS Sunshield – 5 mm (Coated Glass) – 12 mm (Air Gap) – 5 mm (Clear Glass)

Leaf Green	15	38	21	22	0.26	2.79
Oceanic Blue	25	20	32	29	0.34	2.81
Radiant Amber	16	20	20	22	0.25	2.79
Icy Clear	58	26	28	57	0.65	2.82

AIS Sunshield (6 mm)

Supreme Blue	35	17	24	44	0.51	5.69
Supreme Green	33	34	14	43	0.49	5.66
Supreme Gold	58	15	16	67	0.78	5.40

AIS Opal – Performance Parameters

Glass Details	Light Factors			Energy Factors		
	Transmission	Reflection		SF	SC	U-Value
		External	Internal			
Shade	%	%	%	%		W/m ² K

AIS Opal (4 mm)

Royal Blue	30	13	36	52	0.60	5.7
Cool Green	48	24	36	50	0.57	5.7
Golden Bronze	40	17	35	58	0.67	5.7
Pearl Grey	20	9	37	50	0.58	5.7
Aqua Blue	29	14	40	49	0.80	5.8

AIS Opal (5 mm)

Royal Blue	25	10	36	49	0.56	5.7
Cool Green	44	22	36	47	0.54	5.7
Golden Bronze	35	14	35	55	0.63	5.7
Pearl Grey	15	7	38	46	0.53	5.7
Aqua Blue	25	11	40	44	0.51	5.8