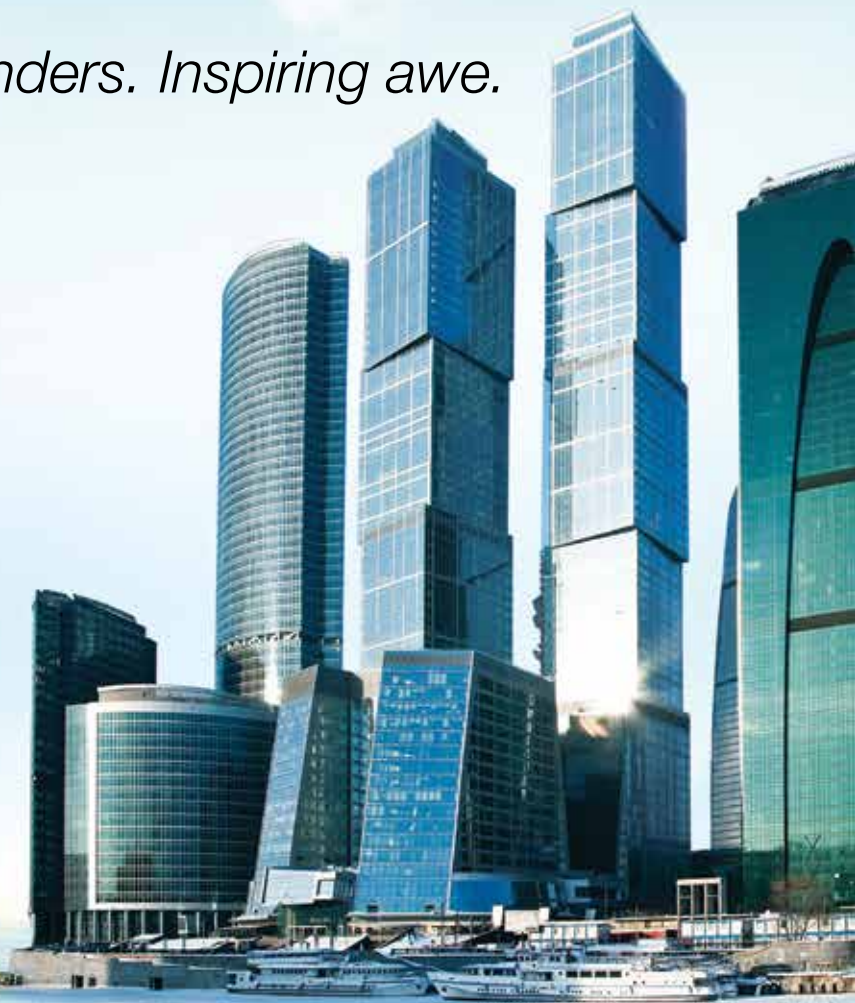




AIS. *Enabling wonders. Inspiring awe.*



AIS Architectural Product Profile

AIS is India's leading integrated glass company with a wide range of international quality glass to suit various applications across multiple industries. Certified as an ISO 9001 and ISO 14001 company, AIS continues to innovate and add to its portfolio of comprehensive glass solutions, which include Clear & Tinted, Heat Reflective, Frosted, Lacquered, Mirrors, High Performance and Processed - all of them designed to change the way you see and use glass.

AIS Products

AIS Clear Float Glass

Gives a clean and modern look to the exterior façade.

Benefits

- Distortion-free
- Clarity of vision
- Sparkling surface

Usage

- Shopfronts
- Partitions
- Doors
- Shelves
- Furniture
- Windows



AIS Tinted Glass

Blocks the sun's heat, allowing the room to remain cool.

Benefits

- Absorbs 30% to 45% solar heat
- Enhances the aesthetic appearance of buildings
- Protects against glare

Usage

- Partitions
- Doors
- Shelves
- Furniture
- Windows

Colours Available

Dark Grey, Green, French Bronze, Dark Blue, Royal Blue, Cool Green, Aqua Blue



High-performance Glass

Ecosense from AIS

Ecosense strikes the perfect balance between outdoors and indoors, function and finesse. Little wonder that it is the natural choice for all environment-friendly architecture.

Benefits	Usage
<ul style="list-style-type: none">Allows light to pass through a window or façade while radiating, absorbing and reflecting away a large degree of the near-range infrared heatKeeps indoor spaces brighter and cooler	<ul style="list-style-type: none">Exterior façades

Available as

Ecosense Enhance Solar Control range — Dawn, Snow, Aura, Spring, Nectar, Ivory, Cove, Orchid Blue, Bay, Marine, Indigo, Bluebell, Pine, Jade, Coral, Meadow, Lime, Citrus

Ecosense Exceed Solar Control Low-E range — Clear Brook Plus, Blue Brook Plus, Green Brook Plus, Clearvision, Bluevision, Greenvision, Clearlite Plus, Bluelite Plus, Greenlite Plus, Clear Radiance Plus, Blue Radiance Plus, Green Radiance Plus

Ecosense Essence Low-E range — Clear Essence, Blue Essence, Green Essence

Ecosense Edge Solar Control & Thermal Insulation range — Natura, Electra, Chroma

Ecosense Excel Solar Control Double Low-E range — Clear Pearl, Blue Pearl, Green Pearl, Clear Sparkle, Blue Sparkle, Green Sparkle



AIS SunShield

AIS SunShield is a high-performance product that combines durability with advanced heat-reflective technology. Spanning a wide range of applications, AIS SunShield offers you a host of unmatched benefits that will help you do more with glass.

Benefits	Usage
<ul style="list-style-type: none">Superior solar control – choose comfortable interiors by minimising solar heat gainSuperior UV protection due to superior coatingSuperior cooling – experience the ultimate in all-weather cooling comfort	<ul style="list-style-type: none">Exterior façades

Colours Available

Leaf Green, Oceanic Blue, Radiant Amber, Icy Clear, Supreme Green, Supreme Blue, Supreme Gold



High-performance Glass

AIS Supersilver

India's only superior quality, CVD technology-based, high-performance glasses for enhanced energy efficiency.

Benefits

- Easy to process, assemble and install
- Ideal for fluctuating light conditions. It provides protection against UV rays as also the glare of the sun, hence, providing optical comfort and a soothing environment
- Reflects light and assures one of privacy
- Helps in creating a comfortable and soothing environment

Usage

- Exterior façades
- Windows

Colours Available

Clear, Grey, Blue, Bronze, Green, Aqua Blue



AIS Opal

Economical range of solar control glass providing value for money.

Benefits

- Durable coating
- Solar control glass
- Available in 3.5 mm, 4 mm and 5 mm thickness in various sizes

Usage

- Exterior façades
- Windows

Colours Available

Olive Green, Royal Blue, Cool Green, Golden Bronze, Pearl Grey, Aqua Blue



AIS Opal Trendz

A new variant of the Opal series, Opal Trendz is the first-of-its-kind patterned reflective glass which provides a unique external glazing solution. It enables architects and designers to set new benchmarks, while helping users experience comfort in colour and style.

Benefits

- Durable coating
- Solar control glass
- Creates a delightful play of light and colour

Usage

- Exterior façades

Available as

Colours: Olive Green, Royal Blue, Cool Green, Golden Bronze, Pearl Grey, Aqua Blue

Patterns: Mini Squares, Box Stripes, Cross Hatch, and T-Weave



Interior Glass

AIS VUE uPVC Door & Window Solutions

AIS VUE door & window solutions are designed to provide convenient, hassle-free doors & windows to meet just about every possible need.

The AIS VUE range includes

- SilentVUE** – Noise-cancelling doors & windows
- GuardVUE** – Burglar-resistant doors & windows
- EcoVUE** – Energy-saving doors & windows
- SafeVUE** – Safety glass doors & windows
- CustomVUE** – Customised benefit doors & windows



AIS Mirror

New generation, environment-friendly copper and lead-free mirrors.

Benefits

- Distortion-free
- Durable
- Environment-friendly
- Ideal in a hot and humid environment

Usage

- Bedrooms & Bathrooms
- Shops & Showrooms
- Hotel lobbies
- Furniture
- Clinics & Hospitals



AIS Décor – Lacquered Glass

An exclusive range of coloured opaque glass for interior applications.

Benefits

- Can withstand temperatures of up to 80 °C
- Can be cut, drilled, ground, edge-finished

Usage

- Partitions
- Doors
- Cabinet doors
- Tabletops
- Kitchens & Bathrooms
- Writing boards

Colours Available

Venetian Red, Black Pearl, Sterling Silver, Snow White, Chrome Yellow, Stone Grey, Turquoise Green, Hazel Brown, Sparkling Beige, Sparkling Snow White, Sparkling Regal Gold.



AIS Krystal

Provides privacy while admitting light.

Benefits

- It renders glass translucent, thereby obscuring the view while allowing light to pass through
- Also available in a variety of patterns.

Usage

- Translucent partitions
- Writing boards
- Doors for cabinets
- Bathroom windows
- Various interior decorative applications

Colours Available

Clear, Green, Blue, Bronze



Processed Glass

AIS Stronglas – Impact-resistant Glass

A very high-grade tempered glass that is several orders of magnitude stronger than ordinary glass.

Benefits

- Tough
- Durable
- Lowers the risk of impact-induced breakage

Usage

- Tabletops
- Balustrades
- Shelves
- Façades
- Shower enclosures
- Partitions
- Washbasins
- Canopies



AIS Securityglas – Burglar-resistant Glass

A laminated glass with specialised plastic interlayers to provide a high level of intrusion resistance from burglar attacks.

Benefits

- Eliminates the need for grills and shutters
- It gives you the ability to see more without compromising on safety

Usage

- Windows
- Roof lights
- Canopies
- Glazed area – swimming pool
- Overhead glazing
- Domes
- Skylights
- Glass lift walls



AIS Acousticglas – Sound-resistant Glass

A laminated glass with a specialised plastic interlayer that dampens external sounds.

Benefits

- Provides 50% - 60% sound reduction

Usage

- Boardrooms
- Partitions
- Houses
- Façades



Value-added Processed Glass

AIS Valuglas

A distortion-free, heat-strengthened glass, AIS Valuglas delivers superior strength and unmatched value-for-money. With a 1.14 mm PVB interlayer for greater stability, it is a highly secure laminated unit that combines pleasing aesthetics with enduring strength.

Benefits

- Long-lasting, heat-strengthened glass with greater stability
- Eliminates the need for grills and shutters
- Reduces external noise for better acoustic performance

Usage

- Doors & Windows
- Roof lights & Canopies
- Stairways & Glass lift walls
- Skylights, Domes & Overhead glazing



AIS Securityplus

With an interlayer of Dupont Sentry Glass™, AIS Securityplus is up to 5 times stronger than conventional laminating materials. This interlayer increases tolerance to greater loads, while enabling aesthetic, complex designs with minimal structural support.

Benefits

- Dupont Sentry Glass™ interlayer eliminates the need for grills
- Requires minimal structural support
- Retains clarity, even after years of use
- Superior noise-reduction

Usage

- Railings, Façades & Canopies
- Walkways, Glass flooring & Stairways
- Hurricane-resistant windows, doors, etc.
- Explosion-resistant windows, doors & façades



AIS Disegno

Brilliant reflections, a unique icy appearance and elegant accents characterise this special range of decorative laminated glass, which adds a new dimension in aesthetics, transforming spaces into works of art.

Benefits

- Highly durable laminated glass
- Transparent veneer with a distinctive cracked appearance

Usage

- Tabletops
- Decorations
- Glass tiles
- Room separators



AIS Swytchglas

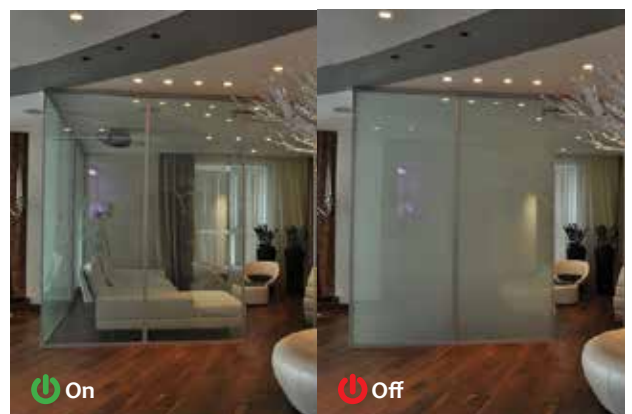
Made using Polymer Dispersed Liquid Crystal (PDLC) film, AIS Swytchglas is an intelligent glass that switches from transparent to translucent – and vice-versa – with the press of a button.

Benefits

- Instant privacy in contemporary form
- Remote or manual control
- Anti-theft protection due to interlayer

Usage

- Health & Beauty salons
- Hotels
- Conference rooms
- Personal cabins
- Projection screens



Ecosense Enhance – Performance Parameters

Ecosense Enhance (Solar Control Glass) - 6 mm								
Product Name	Shade	Code	Visible Light			SF	SC	U-Value
			Transmission	Reflection				
				%	External			Internal
Dawn	Clear	SC 26/33	29	18	26	43	0.49	5.4
Spring	Clear	SC 59/52	65	26	26	64	0.73	5.4
Aura	Clear	SC 48/46	53	25	21	58	0.67	5.4
Snow	Clear	SC 21/28	23	26	36	38	0.44	5.4
Nectar	Clear	SC 32/35	37	22	16	45	0.52	4.8
Ivory	Clear	SC 20/25	23	34	19	34	0.39	4.5
Cove	Blue	SH 18/25	20	12	26	36	0.41	5.4
Marine	Blue	SH 38/37	43	17	28	48	0.55	5.4
Bay	Blue	SH 31/34	35	12	22	46	0.53	5.4
Orchid Blue	Blue	SH 13/23	15	14	35	35	0.4	5.4
Indigo	Blue	SH 22/26	24	12	16	38	0.43	4.9
Bluebell	Blue	SH 13/21	14	17	20	32	0.37	4.5
Pine	Green	SN 22/24	25	14	26	35	0.4	5.4
Meadow	Green	SN 49/38	56	22	26	48	0.56	5.4
Coral	Green	SN 39/35	44	19	22	46	0.53	5.4
Jade	Green	SN 18/24	21	20	35	36	0.41	5.4
Lime	Green	SN 27/26	31	17	16	37	0.43	4.8
Citrus	Green	SN 16/21	18	25	21	31	0.36	4.5

Ecosense Enhance - 6 mm (Solar Control Glass) - 12 mm (airgap) - 6 mm (Clear Glass)								
Product Name	Shade	Code	Visible Light			SF	SC	U-Value
			Transmission	Reflection				
				%	External			Internal
Dawn	Clear	SC 26/33	26	19	28	33	0.38	2.8
Spring	Clear	SC 59/52	59	29	28	52	0.6	2.8
Aura	Clear	SC 48/46	48	27	25	46	0.53	2.8
Snow	Clear	SC 21/28	21	27	36	28	0.32	2.8
Nectar	Clear	SC 32/35	32	23	21	35	0.39	2.7
Ivory	Clear	SC 20/25	20	34	23	25	0.29	2.6
Cove	Blue	SH 18/25	18	12	28	25	0.29	2.8
Marine	Blue	SH 38/37	38	19	30	37	0.43	2.8
Bay	Blue	SH 31/34	31	13	25	34	0.39	2.8
Orchid Blue	Blue	SH 13/23	13	14	35	23	0.26	2.8
Indigo	Blue	SH 22/26	22	13	21	26	0.3	2.7
Bluebell	Blue	SH 13/21	13	17	24	21	0.24	2.6
Pine	Green	SN 22/24	22	16	28	24	0.28	2.8
Meadow	Green	SN 49/38	49	25	29	38	0.44	2.8
Coral	Green	SN 39/35	39	20	25	35	0.4	2.8
Jade	Green	SN 18/24	18	20	35	24	0.28	2.8
Lime	Green	SN 27/26	27	18	20	26	0.3	2.7
Citrus	Green	SN 16/21	16	25	24	21	0.24	2.6

Ecosense Enhance – Performance Parameters

Ecosense Enhance - 6 mm (Solar Control Glass) - 12 mm (airgap) - 6 mm (Clear Low-E Glass/Clear Essence)								
Product Name	Shade	Code	Visible Light			SF	SC	U-Value
			Transmission	Reflection				W/m ² K
				External	Internal			
%	%	%	%	%				
Dawn	Clear	SC 26/33	25	21	33	30	0.34	1.88
Spring	Clear	SC 59/52	55	29	27	51	0.59	1.88
Aura	Clear	SC 48/46	45	27	24	43	0.49	1.88
Snow	Clear	SC 21/28	20	26	34	26	0.3	1.88
Nectar	Clear	SC 32/35	31	23	20	32	0.37	1.87
Ivory	Clear	SC 20/25	19	34	22	21	0.24	1.86
Cove	Blue	SH 18/25	17	12	33	22	0.25	1.88
Marine	Blue	SH 38/37	36	19	29	33	0.38	1.88
Bay	Blue	SH 31/34	30	13	34	29	0.34	1.9
Orchid Blue	Blue	SH 13/23	13	14	34	19	0.22	1.88
Indigo	Blue	SH 22/26	20	12	20	23	0.26	1.87
Bluebell	Blue	SH 13/21	12	17	23	17	0.20	1.86
Pine	Green	SN 22/24	21	16	33	21	0.24	1.66
Meadow	Green	SN 49/38	47	25	28	34	0.39	1.88
Coral	Green	SN 39/35	37	20	24	30	0.34	1.88
Jade	Green	SN 18/24	18	20	34	21	0.24	1.88
Lime	Green	SN 27/26	26	18	20	23	0.26	1.87
Citrus	Green	SN 16/21	15	25	24	17	0.20	1.86

Ecosense Exceed – Performance Parameters

Ecosense Exceed (Solar Control Low-E Glass) - Brook Plus Series								
Product Name	Code	Configuration	Visible Light			SF	SC	U-Value
			Transmission	Reflection				W/m ² K
				External	Internal			
%	%	%	%	%				
Clear Brook Plus	LC 33/22	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Glass)	33	39	21	22	0.25	1.7
Blue Brook Plus	LH 20/18		20	20	23	18	0.21	1.7
Green Brook Plus	LN 26/18		26	30	23	18	0.21	1.7
Clear Brook Plus	LC 33/22	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Essence)	31	39	21	22	0.25	1.65
Blue Brook Plus	LH 20/18		19	20	23	17	0.2	1.64
Green Brook Plus	LN 26/18		25	30	23	17	0.2	1.63

Ecosense Exceed (Solar Control Low-E Glass) - Vision Series								
Product Name	Code	Configuration	Visible Light			SF	SC	U-Value
			Transmission	Reflection				W/m ² K
				External	Internal			
%	%	%	%	%				
Clearvision	LC 39/29	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Glass)	39	23	10	29	0.33	1.7
Bluevision	LH 24/20		24	13	10	20	0.23	1.7
Greenvision	LN 34/22		34	19	13	22	0.25	1.7
Clearvision	LC 39/29	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Essence)	36	24	11	28	0.32	1.65
Bluevision	LH 24/20		23	13	10	19	0.22	1.64
Greenvision	LN 34/22		31	19	10	21	0.24	1.64

Ecosense Exceed – Performance Parameters

Ecosense Exceed (Solar Control Low-E Glass) - Lite Plus Series								
Product Name	Code	Configuration	Visible Light			SF	SC	U-Value
			Transmission	Reflection				W/m ² K
				External	Internal			
%	%	%	%					
Clearlite Plus	LC 54/37	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Glass)	54	15	11	37	0.43	1.7
Bluelite Plus	LH 38/27		38	10	10	27	0.31	1.7
Greenlite Plus	LN 47/28		47	14	11	28	0.32	1.7
Clearlite Plus	LC 54/37	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Essence)	52	15	12	36	0.41	1.64
Bluelite Plus	LH 38/27		36	10	11	26	0.30	1.64
Greenlite Plus	LN 47/28		45	14	12	27	0.31	1.64

Ecosense Exceed (Solar Control Low-E Glass) - Radiance Plus Series								
Product Name	Code	Configuration	Visible Light			SF	SC	U-Value
			Transmission	Reflection				W/m ² K
				External	Internal			
%	%	%	%					
Clear Radiance Plus	LC 49/32	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Glass)	49	20	14	32	0.37	1.7
Blue Radiance Plus	LH 34/24		34	13	12	24	0.28	1.7
Green Radiance Plus	LN 42/24		42	17	14	24	0.28	1.7
Clear Radiance Plus	LC 49/32	6 mm (Solar Control Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Essence)	46	20	13	31	0.36	1.65
Blue Radiance Plus	LH 34/24		32	12	13	23	0.26	1.65
Green Radiance Plus	LN 42/24		39	17	13	23	0.26	1.65

Ecosense Essence – Performance Parameters

Ecosense Essence (Low-E Glass)								
Product Name	Code	Configuration	Visible Light			SF	SC	U-Value
			Transmission	Reflection				W/m ² K
				External	Internal			
%	%	%	%					
Clear Essence	EC 72/56	6 mm (Low-E Glass) - 12 mm (airgap) - 6 mm (Clear Glass)	72	15	14	56	0.64	1.88
Blue Essence	EH 46/35		46	9	13	35	0.40	1.8
Green Essence	EN 58/35		58	12	13	35	0.40	1.80

Ecosense Edge – Performance Parameters

Ecosense Edge (Solar Control & Thermal Insulation Glass)									
Product Name	Shade	Code	Configuration	Visible Light			SF	SC	U-Value
				Transmission	Reflection				W/m ² K
					External	Internal			
%	%	%	%						
Natura	Clear	TC 25/24	6 mm (Solar Control & Thermal Insulation Glass)	28	27	10	30	0.35	3.7
Electra	Blue	TH 16/19		19	14	10	27	0.31	3.7
Chroma	Green	TN 20/19		23	21	10	26	0.3	3.7
Natura	Clear	TC 25/24	6 mm (Solar Control & Thermal Insulation Glass) -12mm (airgap) - 6mm (Clear Glass)	25	28	16	24	0.27	1.96
Electra	Blue	TH 16/19		16	15	16	19	0.22	1.96
Chroma	Green	TN 20/19		20	21	16	19	0.21	1.94
Natura	Clear	TC 25/24	6 mm (Solar Control & Thermal Insulation Glass) -12mm (airgap) - 6mm (Clear Low-E Glass / Clear Essence)	24	28	16	23	0.26	1.76
Electra	Blue	TH 16/19		15	15	16	18	0.2	1.76
Chroma	Green	TN 20/19		19	21	16	18	0.2	1.76

Ecosense Excel – Performance Parameters

Ecosense Excel - 6 mm (Solar Control Double Low-E Glass) - 12mm (airgap) - 6 mm (Clear Glass)								
Product Name	Shade	Code	Visible Light			SF	SC	U-Value
			Transmission	Reflection				
				%	External			Internal
Clear Pearl	Clear	DC 41/23	41	19	13	23	0.26	1.6
BLue Pearl	Blue	DH 27/19	27	12	13	19	0.22	1.6
Green Pearl	Green	DN 34/20	34	15	13	20	0.23	1.6
Clear Sparkle	Clear	DC 46/25	46	19	17	25	0.29	1.6
Blue Sparkle	Blue	DH 31/20	31	12	18	20	0.23	1.6
Green Sparkle	Green	DN 41/22	41	17	18	22	0.25	1.6

AIS Project Showcase



Cummins, Pune
Ecosense Enhance - Spring,
Snow, Aura



Madhav Avenue, Ahmedabad
AIS Opal – Cool Green



Suratwala, Pune
Ecosense Enhance - Cove



Kakade Bizcon Mall, Pune
Ecosense Enhance - Marine



HCL Office, Faridabad
Ecosense Exceed - Green vision



Vikram Urbane, Indore
AIS SunShield – Leaf Green &
AIS Opal – Aqua Blue



Kingfisher Club, Bangalore
AIS Décor – Venetian Red



The Capital, Mumbai
AIS Décor– Black Pearl



Karan Deep, Delhi
AIS VUE



Guest House, Delhi
AIS VUE



Asahi India Glass Ltd.

seemore@aisglass.com

www.aisglass.com