



Asahi India Glass Ltd.



ENABLING WONDERS.
INSPIRING AWE.

AIS Products

AIS is India's leading automotive and building 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 and Back-painted High-Performance glass, Processed glass and Mirrors – all of them designed to change the way you see and use glass.

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% of solar heat • Enhances the aesthetic appearance of buildings • Protects against glare

Usage

- Partitions • Doors • Shelves • Furniture • Windows

Colours available:
Dark Grey, Green, Bronze, Dark Blue, Royal Blue,
Cool Green, Aqua Blue



AIS Opal

Economical range of solar control glass providing value for money.

Benefits

- Durable coating • Solar Control Glass • Available in thicknesses of 3.5 mm, 4 mm and 5 mm in various sizes

Usage

- Exterior façades • Windows

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



AIS Opal Trendz

Solar control glass that combines vibrant shades with vivid patterns

Benefits

- Creates a delightful play of light and colour

Usage

- Exterior façades • Windows • Partitions

Colours available:
Royal Blue, Aqua Blue, Cool Green, Pearl Grey, Golden Bronze
Available in five exciting patterns: Mini Squares, Box Stripes, Cross Hatch, T-Weave, Bubble Mist



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

- Superior solar control – choose comfortable interiors by minimising solar heat gain
- Superior UV protection due to superior coating
- Superior cooling – experience the ultimate in all-weather cooling comfort

Usage

- Exterior façades

Colours available:

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



AIS SunShield Trendz

AIS SunShield Trendz brings together the functional superiority of AIS Heat-Reflective glass and the refreshing new aesthetics of Patterned, Heat-Reflective glass – giving our customers the opportunity to embrace a trendier alternative.

Benefits

- Available in vibrant colours and patterns
- Coloured, Patterned, Heat-Reflective glass

Usage

- Exterior façades
- Windows
- Interior Partitions

Colours available:

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

Available in Cross Hatch, T- Weave, Mini Squares, Box Stripes, Bubble Mist patterns.

AIS Décor

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 and Bathrooms
- Writing boards

Available in 34 exciting shades

Thicknesses: 4 mm, 5 mm and 6 mm



AIS Krystal

AIS Krystal is a frosted glass, which admits light and at the same time obscures the view. It offers quality excellence owing to its superior glass manufacturing techniques.

Benefits

- Its translucent feature ensures privacy and aesthetic appeal
- It has a distinctive matte finish that enhances the aesthetic appeal of the surroundings
- Comes in four shades – Clear, Green, Blue and Bronze

Usage

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

Available in 4 exciting shades:

Clear, Green, Blue and Bronze

Available in a variety of patterns



AIS Mirror

New-generation, environment-friendly copper- and lead-free mirrors that are available in clear as well as in bronze and grey tinted shades.

Benefits

- Distortion-free • Durable • Environment-friendly
- Ideal for hot and humid environments

Usage

- Bedrooms & Bathrooms • Shops & Showrooms
- Hotel Lobbies • Furniture • Clinics & Hospitals

Available in:

Tinted Bronze, Grey



Range of Ecosense Products

The Ecosense range of high performance, energy-efficient products provide the right blend of daylight and energy-saving, visual comfort and thermal control, technology and eco-sensitivity. The range of our Ecosense products include: Enhance, Exceed, Essence, Edge and Excel.

Ecosense Enhance

Ecosense Enhance is a solar-control glazing solution that lets you stay close to nature.

Benefits

- Improves energy efficiency and daylight parameters
- Helps reduce electricity bills
- Allows the optimum amount of light to pass through

Usage

- Exterior façades • Windows

Colours available:

- Clear Series : Dawn, Snow, Aura, Spring, Nectar, Nimbus, Ivory
- Blue Series : Cove, Orchid Blue, Bay, Marine, Indigo, Serene, Oasis, Oceanic Blue Plus, Bluebell
- Green Series: Pine, Jade, Coral, Meadow, Lime, Harmony, Citrus
- Gold



Ecosense Essence

Ecosense Essence is developed with a modern, Low-e coating to help buildings achieve energy efficiency along with environmental benefits.

Benefits

- Ensures enhanced thermal insulation
- Allows better visible light transmission

Usage

- Exterior façades • Windows

Colours available:

- Clear Essence • Green Essence • Blue Essence



Ecosense Exceed

The Exceed range of glass is a solar-control, Low-e, double-glazed solution that combines energy efficiency and aesthetics.

Benefits

- Eco-friendly • Ideal for 'green building' concept

Usage

- Exterior façades • Windows

Colours Available:

- Brook Plus Series: Clear Brook Plus, Blue Brook Plus, Green Brook Plus
- Vision Series: Clearvision, Bluevision, Greenvision
- Lite Plus Series: Clearlite Plus, Bluelite Plus, Greenlite Plus
- Comfort Series: Clear Comfort, Blue Comfort, Green Comfort
- Priva Series: Clear Priva, Blue Priva, Green Priva
- Platina Series: Clear Platina, Blue Platina, Green Platina
- Aurelia (Gold)
- Blue Berry
- Electric Blue



Ecosense Excel

Ecosense Excel is a specialised 'green building' glass with advanced solar-control and double Low-e coating. This glass product comes with excellent thermal insulation and best-in-class solar-control performance.

Benefits

- Its superior insulation properties help achieve better energy savings • Provides environmental benefits

Usage

- Exterior façades • Windows

Colours available:

- Pearl Series: Clear Pearl, Blue Pearl, Green Pearl
- Sparkle Series: Clear Sparkle, Blue Sparkle, Green Sparkle
- Star Series: Clear Star, Blue Star, Green Star
- Marvel Series: Clear Marvel, Blue Marvel, Green Marvel
- Vivid Series: Clear Vivid, Blue Vivid, Green Vivid
- Dazzle Series: Clear Dazzle, Blue Dazzle, Green Dazzle



Ecosense Edge

The Edge series is a solar-control glass with thermal-insulation and Low-e properties which can be used in single-glazing applications.

Benefits

- Helps in better energy savings
- Suitable for use in 'green' homes
- Delivers better environmental benefits by providing solar and thermal insulation
- High-performing glass which reduces direct as well as indirect heat

Usage

- Exterior façades • Windows

Colours available:

- Clear Series: Edge Natura, Edge Natura Plus
- Blue Series: Edge Electra, Edge Electra Plus
- Green Series: Edge Chroma, Edge Chroma Plus



Value-Added Glass

AIS Securityglas™ – A specially toughened, laminated safety glass that provides greater impact-resistance and strength. It is manufactured with a specialised PVB interlayer between two sheets of glass, and this combination of layers provides a high level of intrusion resistance.

AIS Securityplus – Reinforced by a layer of DuPont Sentry Glass™, AIS Securityplus is up to five times stronger than conventional laminated materials. The special interlayer increases the tolerance to greater loads while enabling a design of aesthetically pleasing and complex elements.

AIS Stronglas™ – A very high-grade tempered glass that is significantly stronger than ordinary glass. It goes through a toughening process, which makes the glass invulnerable to tensile stresses.

AIS Swytchglas – The cutting edge in glass technology, which has the power to control transparency, making it the smartest glass around. With AIS Swytchglas, you can make transparent glass translucent, to block visibility, at the click of a button.

AIS Pyrobel – Engineered with a special intumescent layer that helps withstand extreme levels of heat, largely restricts heat transfer, and prevents easy passage of smoke and flames. In the event of fire, the interlayer expands and transforms itself into a rigid, opaque, and heat-absorbing fire shield.



AIS Windows – Doors and windows are the soul of any building. At AIS, you have a multitude of choices within uPVC, wood, and aluminium profiles. Along with aesthetic value, there are other features like safety, security, noise cancelling, and environment-friendly profiles that are being offered by AIS Windows. Therefore we present a range of solutions that suit your taste and your class.

Technical Specifications

Ecosense Enhance – Performance Parameters

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

Solar Control Glass – 6 mm

Spring	Clear	SC 59/60	65	21	24	69	0.79	5.70
Nimbus	Clear	SC 47/48	54	21	14	59	0.68	5.40
Aura	Clear	SC 48/46	53	25	21	58	0.67	5.70
Nectar	Clear	SC 32/35	37	22	16	45	0.52	5.30
Dawn	Clear	SC 26/33	29	20	34	43	0.50	5.70
Snow	Clear	SC 21/28	23	26	36	38	0.44	5.70
Ivory	Clear	SC 20/25	23	34	19	34	0.39	4.90
Marine	Blue	SH 38/39	43	11	21	48	0.55	5.70
Serene	Blue	SH 31/33	35	12	15	45	0.52	5.40
Bay	Blue	SH 31/34	35	12	22	46	0.53	5.70
Indigo	Blue	SH 22/26	24	12	16	38	0.43	5.30
Cove	Blue	SH 18/25	20	12	34	36	0.41	5.70
Orchid Blue	Blue	SH 13/23	15	14	35	35	0.40	5.70
Bluebell	Blue	SH 13/21	14	17	20	32	0.37	4.90
Oasis	Blue	SH 27/31	30	17	26	41	0.47	4.80
Oceanic Blue Plus	Blue	SH 21/25	22	20	29	33	0.38	5.0
Meadow	Green	SN 49/39	56	14	21	48	0.56	5.70
Harmony	Green	SN 40/34	46	16	15	46	0.53	5.40
Coral	Green	SN 39/35	44	19	21	46	0.53	5.70
Lime	Green	SN 27/26	31	17	16	37	0.43	5.70
Pine	Green	SN 22/24	25	16	34	35	0.40	5.70
Jade	Green	SN 18/24	21	20	35	36	0.41	5.70
Citrus	Green	SN 16/21	18	25	21	31	0.36	4.90
Gold	Gold	SC 44/48	49	26	27	58	0.67	5.70

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

Spring	Clear	SC 59/60	59	24	26	60	0.70	2.8
Nimbus	Clear	SC 47/48	47	23	18	48	0.55	2.8
Aura	Clear	SC 48/46	48	27	25	46	0.53	2.8
Nectar	Clear	SC 32/35	32	23	21	35	0.39	2.7
Dawn	Clear	SC 26/33	26	21	35	33	0.38	2.8
Snow	Clear	SC 21/28	21	27	36	28	0.32	2.8
Ivory	Clear	SC 20/25	20	34	23	25	0.29	2.6
Marine	Blue	SH 38/39	38	12	25	39	0.46	2.8
Serene	Blue	SH 31/33	31	11	18	33	0.38	2.8
Bay	Blue	SH 31/34	31	13	25	34	0.39	2.8
Indigo	Blue	SH 22/26	22	13	21	26	0.30	2.7

Ecosense Enhance – Performance Parameters

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

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

Cove	Blue	SH 18/25	18	12	34	25	0.29	2.80
Orchid Blue	Blue	SH 13/23	13	14	35	23	0.26	2.80
Blue Bell	Blue	SH 13/21	13	17	24	21	0.24	2.60
Oasis	Clear	SH 27/31	27	17	29	31	0.36	2.50
Oceanic Blue Plus	Clear	SH 21/25	21	21	29	25	0.30	2.50
Meadow	Green	SN 49/39	49	17	25	39	0.44	2.80
Harmony	Green	SN 40/34	40	18	20	34	0.39	2.80
Coral	Green	SN 39/35	39	20	25	35	0.40	2.80
Lime	Green	SN 27/26	27	18	20	26	0.30	2.70
Pine	Green	SN 22/24	22	16	35	24	0.28	2.80
Jade	Green	SN 18/24	18	20	35	24	0.28	2.80
Citrus	Green	SN 16/21	16	25	24	21	0.24	2.60
Gold	Gold	SC 44/48	44	27	29	48	0.56	2.80

Ecosense Edge – Performance Parameters

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

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

Natura	Clear	TC 28/30	28	27	10	30	0.35	3.70
Natura Plus	Clear	SC 45/42	45	20	6	42	0.48	4.60
Electra	Blue	TH 19/27	19	14	10	27	0.31	3.70
Electra Plus	Blue	SH 30/33	30	12	6	33	0.38	4.60
Chroma	Green	TN 23/26	23	21	10	26	0.30	3.70
Chroma Plus	Green	SH 38/31	38	19	6	31	0.36	4.60

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

Natura	Clear	TC 25/24	25	28	16	24	0.28	1.96
Natura Plus	Clear	SC 40/33	40	22	12	33	0.38	2.40
Electra	Blue	TH 16/19	16	15	16	19	0.22	1.96
Electra Plus	Blue	SH 27/25	27	12	12	25	0.29	2.40
Chroma	Green	TN 20/19	20	21	16	19	0.22	1.96
Chroma Plus	Green	SH 27/25	35	12	12	23	0.26	2.40

Ecosense Essence – Performance Parameters

Glass Details			Light Factors			Energy Factors		
Product Name	Shade	Code	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	EC 71/53	71	10	12	53	0.61	1.80
Green Essence Plus	Green	EN 59/37	59	9	11	37	0.43	1.80
Blue Essence Plus	Blue	EH 43/35	43	7	11	35	0.40	1.80

Ecosense Exceed – Performance Parameters

Glass Details			Light Factors			Energy Factors		
Product Name	Shade	Code	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	LC 54/37	54	15	11	38	0.44	1.70
Clear Vision Plus	Clear	LC 39/29	39	23	13	29	0.33	1.70
Clear Brook Plus	Clear	LC 33/22	33	39	21	22	0.25	1.60
Clear Comfort	Clear	LC 30/24	30	25	14	24	0.28	1.70
Clear Priva	Clear	LC 30/22	30	31	17	22	0.26	1.70
Clear Platina	Clear	LC 27/21	27	40	16	21	0.24	1.70
Blue Lite Plus	Blue	LH 38/28	38	10	10	28	0.33	1.70
Blue Berry	Blue	LH 29/26	29	21	20	26	0.30	1.70
Blue Vision Plus	Blue	LH 24/20	24	13	13	20	0.23	1.70
Blue Brook Plus	Blue	LH 20/18	20	20	23	18	0.21	1.60
Blue Comfort	Blue	LH 20/19	20	13	14	19	0.22	1.70
Blue Priva	Blue	LH 20/18 II	20	14	17	18	0.21	1.70
Blue Platina	Blue	LH 18/17	18	18	17	17	0.20	1.70
Electric Blue	Blue	LH 36/31	36	23	17	31	0.36	1.80
Green Lite Plus	Green	LN 47/29	47	14	11	29	0.33	1.70
Green Vision Plus	Green	LN 34/22	34	19	13	22	0.25	1.70
Green Brook Plus	Green	LN 26/18	26	30	23	18	0.21	1.70
Green Comfort	Green	LN 26/20	26	18	14	20	0.23	1.70
Green Priva	Green	LN 26/19	26	21	17	19	0.22	1.70
Green Platina	Green	LN 24/18	24	28	17	18	0.21	1.60
Aurelia	Gold	LC 30/24	30	41	46	24	0.28	1.60

AIS Opal – Performance Parameters

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

Ecosense Excel – Performance Parameters

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

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

Clear Star	Clear	DC 55/33	55	12	13	33	0.38	1.60
Clear Sparkle	Clear	DC 46/25	46	19	17	25	0.29	1.60
Clear Pearl	Clear	DC 41/23	41	19	13	23	0.26	1.60
Clear Marvel	Clear	DC 30/18	30	19	18	18	0.21	1.60
Clear Dazzle	Clear	DC 44/27	45	13	13	27	0.31	1.40
Clear Vivid	Clear	DC 65/38	66	13	13	38	0.43	1.60
Blue Star	Blue	DH 36/25	36	6	12	25	0.29	1.60
Blue Sparkle	Blue	DH 31/20	31	12	17	20	0.23	1.60
Blue Pearl	Blue	DH 27/19	27	12	13	19	0.22	1.60
Blue Marvel	Blue	DH 21/16	21	11	18	16	0.19	1.60
Blue Dazzle	Blue	DH 29/20	29	8	13	20	0.23	1.50
Blue Vivid	Blue	DH 43/28	43	9	13	28	0.32	1.60
Green Star	Green	DN 46/26	46	9	12	26	0.30	1.60
Green Sparkle	Green	DN 41/22	41	17	18	22	0.25	1.60
Green Pearl	Green	DN 34/20	34	15	13	20	0.23	1.60
Green Marvel	Green	DN 27/18	27	16	18	18	0.21	1.60
Green Dazzle	Green	DN 37/22	37	10	13	22	0.25	1.50
Green Vivid	Green	DN 55/30	55	11	13	30	0.35	1.60

AIS Sunshield – Performance Parameters

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

AIS Sunshield – 3.5 mm (Single-Glazed)

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

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	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 Sunshield – 6 mm (Coated Glass) – 12 mm (Air Gap) – 6 mm (Clear Glass)

Supreme Blue	31	18	27	33	0.38	2.80
Supreme Green	29	35	19	34	0.39	2.79
Supreme Gold	50	18	21	55	0.63	2.80



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To experience glass like never before,
download the AIS Apps now!

The image shows four app icons arranged horizontally. From left to right: 1. 'World of Shades' featuring a person interacting with a screen. 2. 'Virtual World' featuring a person wearing a VR headset. 3. 'Glass Simulator' featuring hands holding a green glass pane. 4. 'World of Glass' featuring a colorful globe.