



الإمارات للألواح
الزجاج المسطح
EMIRATES FLOAT GLASS

EFG Emicool® NE Series

Clear, comfortable, energy-smart
glazing for modern spaces.



The Clear Choice for Comfort and Efficiency

The Emicool® NE Series from Emirates Float Glass sets a new standard in high-performance Low-E glass. Designed to balance energy efficiency with crystal-clear views, it offers architects and builders a versatile solution that enhances comfort and elevates every space it touches.

Suitable for diverse applications such as residential windows, commercial façades, or greenhouse glazing, Emicool® NE helps you shape spaces that feel open, bright, and vibrant, with energy efficiency and a shorter payback period.



Key Benefits

Maximized Natural Light

Bright naturally lit spaces without haze minimize the need of artificial lighting and reduce electricity and HVAC costs.

Clear, True-to-Life Views

High color rendering index (CRI) ensures high color accuracy for vibrant, welcoming interiors.

Reduced Condensation and Cold Spots

Superior thermal insulation properties avoid temperature difference, minimize condensation and enhance clear vision.

Flexible Design Options

Available on clear or tinted substrates to match architectural styles.

Energy Savings and Sustainability

Superior solar control and thermal insulation values minimize heat transfer and reduce energy costs, fostering an ambient natural environment which makes the glazing sustainable.

Certified for Green Building Standards

EPD certification supports eligibility for LEED, BREEAM, and other sustainable construction programs.



Advanced glass for brighter, cooler, better spaces.

Engineered for Versatility



Residential windows and external doors



Commercial façades and curtain walls



Showrooms and retail glazing



Skylights and atriums



Commercial refrigeration systems



Greenhouses



Museum glazing



Automobile showroom



Ideal in Pairs with Solar Control Glass



Performance Highlights

76%

Visible Light Transmittance (VLT)
Allows maximum natural daylight while maintaining clear, vibrant views.

1.0 w/ Sq.Mtrs/ Kelvin

U-value (thermal transmittance)
Its low U value delivers superior thermal insulation, minimizing energy costs.

49%

Solar Heat Gain Coefficient
Effectively blocks direct solar heat gain, reducing cooling loads and enhancing indoor comfort.

1.46

Light to Solar Gain (LSG) Ratio
Allows more light to pass through while blocking more Solar Heat inside the building.

95%+

Color Rendering Index (CRI)
Ensures true-to-life color perception, creating natural, welcoming interiors.

12%

Internal Reflection (RI)
Reduces mirror effect and maintains a neutral and elegant view from inside the building.

Emicool NE Fact sheet

Emicool NE Advanced Low E Series	Coating Positing in Double Insulated Unit					Glass Processing		
	#1	#2	#3	#4	Coating Facing PVB	Annealed	Heat Treatment	Edge Deletion
	No	Yes	Yes	No	No	Optional	Prefered	Yes

Available Thickness (mm)	4	5	6	8	10	12	Product Warranty	10 years
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Product Comparison: Clear Float vs Emicool® NE Series

Product	VLT	Ro	Rin	SHGC %	SC	U value- 16mm Air Space	U Value 16mm Argon (95%)	CRI	RHG W/Sq.Mtr /Kel	Energy Efficiency
6mm Clear float	79	14	14	73	84	2.69	2.6	97	552	
Emicool NE 80	76	16	15	52	60	1.32	1.0	97	387	30%
Emicool NE 72	72	14	12	49	56	1.46	1.19	95	367	33%

Product Comparison: Tinted Float Glass vs Emicool® NE Series

Product	VLT	Ro	Rin	SHGC %	SC	U value- 16mm Air Space	U Value 16mm Argon (95%)	CRI	RHG W/Sq.Mtr /Kel	Energy Efficiency
Vitalite Grey	39	7	12	46	53	2.69	2.6	94	357	
NE 80 Grey	36	7	13	31	35	1.32	1.0	94	235	34%
NE 72 Grey	34	6	11	29	34	1.46	1.19	92	227	36%
Vitalite Bronze	47	8	12	51	59	2.69	2.58	95	393	
NE 80 Bronze	44	8	13	34	39	1.32	1.0	94	263	33%
NE 72 Bronze	42	7	11	33	38	1.46	1.19	95	252	36%



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