



Chevron Glass

CARDINAL LoE - i89[®] on CLEAR + Neat[®] SELF CLEANING GLASS

Enhanced performance glass - with no haze

Chevron Glass has introduced another outstanding Low E product, **LoE-i89[®]** manufactured by Cardinal Glass in the USA.

LoE-i89[®] on clear is an energy saving Low E glass and incorporates Neat[®] self cleaning technology.

LoE-i89[®] is a high performance glass, clear in appearance with high light transmission.

An important feature of **LoE-i89[®]** is a clearer surface without the haze of other Low E products.

LoE-i89[®] is suitable for residential and commercial applications.

LoE-i89[®] can be single glazed and is supplied as a toughened product.

When single glazed, surface #1 (external) has the Neat[®] self cleaning coating and surface #2 (internal) is a smooth Low E coating which allows easy cleaning and removal of any label residue.

When incorporated into a Chevron insulated glass unit, **LoE-i89[®]** can be combined with a variety of other glass products to achieve outstanding energy rating performance with exceptionally low U values.

When combined with Cardinal **LoE³-366[®]** on clear, the U value achieved is an amazing 1.1.

Neat[®] technology is an easy cleaning coating which uses the sun's rays to loosen dirt so rain can wash it away. This is due to the titanium dioxide layer which reacts chemically with the sun's rays and causes any organic matter on the glass to decompose and then be washed away. A silicon dioxide layer is also present, which makes the glass ultra smooth, allowing water to evaporate quickly to reduce water spotting.

LoE-i89[®] has "cutting edge" features and benefits – clear, haze free glass, energy saving, high performance summer and winter to meet the toughest energy standards and Neat[®] self cleaning technology.

SPECIFICATIONS

The following performance statistics provide a comparison of **LoE-i89[®]** with EnergyTech Low E and also in an insulated glass unit with clear glass and with Cardinal **LoE³-366[®]**.

	Single Glazing Low E	Single Glazing Low E	Insulated Glass Unit	Insulated Glass Unit
	6mm EnergyTech Clear Low E	Cardinal LoE - i89 [®] on 6mm Clear	Cardinal LoE - i89 [®] on 6mm Clear + 12mm Argon + 6mm Clear	Cardinal LoE ³ - 366 [®] on 6mm Clear + 12mm Argon + LoE - i89 [®] on 6mm Clear
Visible light transmittance	81%	87%	77%	61%
Exterior Reflectance	11%	8%	14%	10%
Solar Heat Gain Coefficient (SHGC)	0.69	0.72	0.64	0.27
U-Value	3.6	3.6	1.6	1.1

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