

Cardinal LoE³-366[®]+Neat[®]
ULTIMATE PERFORMANCE GLASS



GLASSWORKS



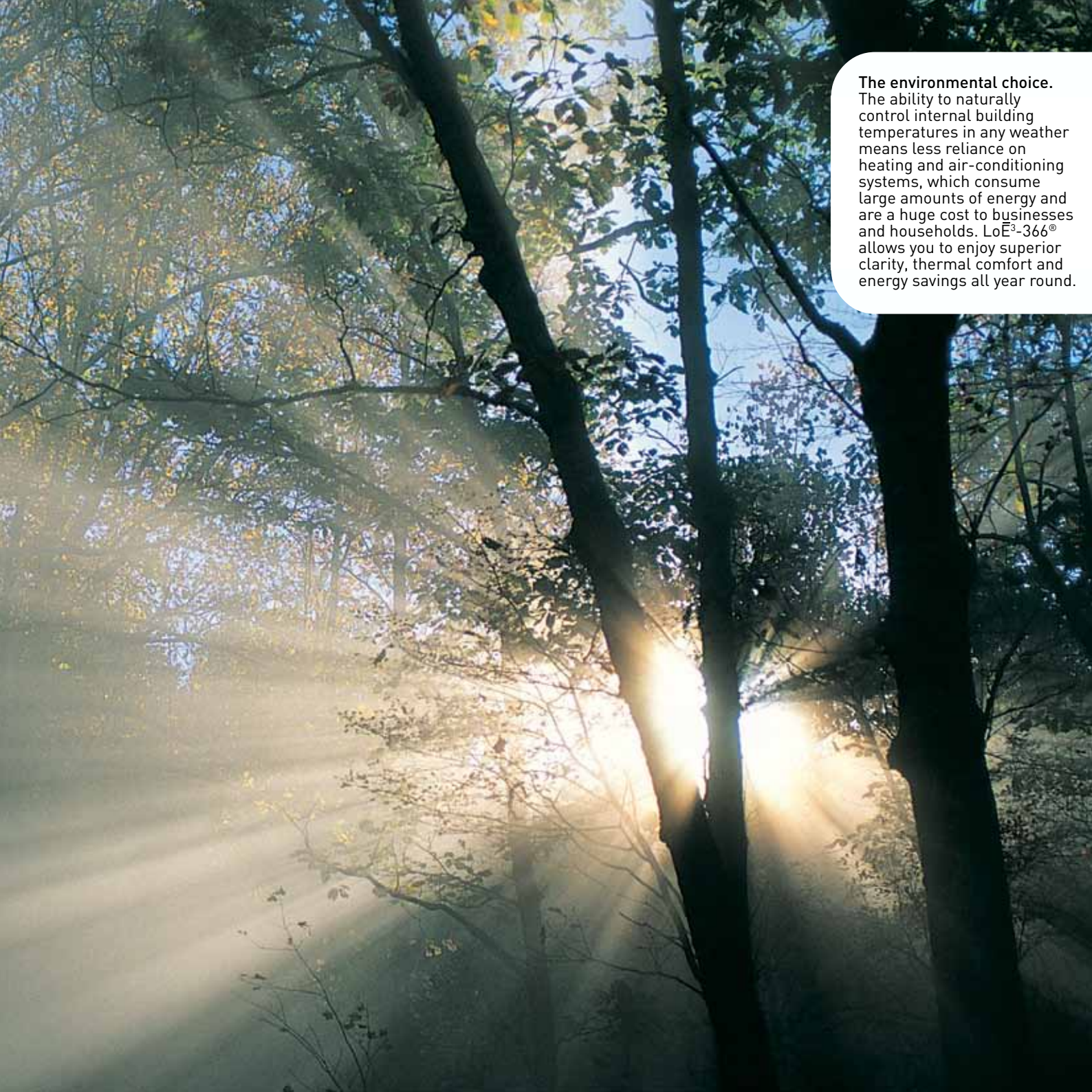
Introducing LoE³-366[®],
the ultimate performance glass,
making other low-e glass products
seem obsolete. LoE³-366[®] delivers
the ideal balance of **thermal control**
and **high visibility**. Year-round comfort
and energy savings are made possible
thanks to an unprecedented triple layer
of silver, keeping buildings naturally
cooler in summer and warmer in
winter, without spoiling the view.

Thanks to the added Neat[®] technology, it's also self-cleaning

What's more, LoE³-366[®]
comes standard with Neat[®]
technology - a self-cleaning
coating which harnesses the
sun's rays to loosen dirt so the
rain can wash it away.

This is thanks to the titanium
dioxide layer which reacts
chemically with the sun's UV
rays and causes the organic
materials on the glass to
decompose and rinse away with
the rain, and a silicon dioxide
layer which makes it ultra
smooth, allowing water
to evaporate quickly to
reduce water spotting.

Enjoy the added convenience
and cost benefits of less
window cleaning.

A photograph of a forest with sunlight streaming through the trees, creating a warm, golden glow. The sun is positioned behind several tree trunks, causing the light to appear as bright rays filtering through the foliage. The leaves are a mix of green and yellow, suggesting an autumn setting. The overall atmosphere is peaceful and natural.

The environmental choice.
The ability to naturally control internal building temperatures in any weather means less reliance on heating and air-conditioning systems, which consume large amounts of energy and are a huge cost to businesses and households. LoE³-366[®] allows you to enjoy superior clarity, thermal comfort and energy savings all year round.



Enjoy the view, without the heat

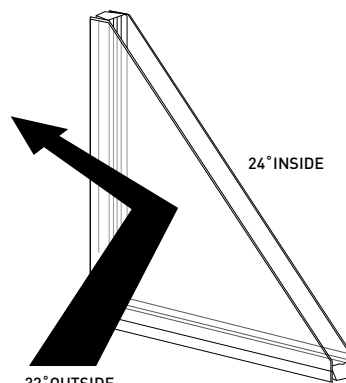
It's the perfect cold remedy too

Ordinary window glass can't handle the summer's heat and tinted glass spoils the view.

Cardinal LoE³-366[®], however, has been specially formulated to reject the sun's heat without affecting the view. It lets more light in and keeps more heat out. So households and businesses remain cool and comfortable while enjoying optimum clarity.

LoE³-366[®] also provides exceptional fading protection.

It blocks 95% of the sun's damaging ultraviolet rays (a leading cause of fading), meaning furniture and people are protected from the damaging effects of the sun's rays.



32° OUTSIDE

24° INSIDE

By incorporating a triple layer of silver, Cardinal LoE³-366[®] reduces the heat gain by 64% compared to ordinary glass.

During cold weather, the insulating effect of your windows has a direct impact on how your rooms feel. Typically, 75% of the exposed surface of a window is glass, and the temperature of the room-side of the glass directly affects the air temperature in the room. Consequently, when glass surface temperature falls below 11°C, there is a risk of thermal discomfort.

To maintain the best comfort during the winter, LoE³-366[®] produces near constant surface temperatures, so buildings keep warm during the coldest months.

How it compares	Ordinary glass	EnergyTech™	LoE ³ -366®
Description	3mm clear glass	Insulated Glass Unit 4mm EnergyTech™ 12mm argon gas 4mm clear float	Insulated Glass Unit 4mm LoE ³ -366® 12mm argon gas 4mm clear float
Visible light transmittance	89%	74%	66%
Reflectance exterior	8%	17%	11%
Solar heat gain coefficient	0.86	0.69	0.27
U-value	5.90	1.60	1.35
UV transmission	71%	42%	4%

3
3 layers of silver make
the clear difference

LoE³-366® raises the bar by adding a third layer of silver coating. **Result:** a clear coating that blocks even more solar heat gain while allowing light to stream in. All with minimum exterior reflectance and no heavy bronze or grey coloured tints to darken the interior. LoE³-366® significantly out-performs tinted glass often used in warm climates.



About Glassworks

Glassworks is a 100 percent Australian owned glass processing operation that manufactures service and quality-oriented glass products for commercial and high-end residential clients.

Glassworks sources the best technology and machinery from around the world to provide innovative glass solutions to the Asia Pacific region. Processing capabilities include; insulated glass (EnerSave™), customised laminated glass (Archilam™), toughened glass and more.

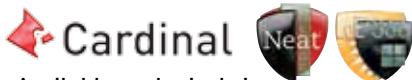
GLASSWORKS

Glassworks (Aust) Pty Ltd
181 - 183 Frankston-Dandenong Rd
Dandenong Victoria 3175
T +61 3 8788 5888
F +61 3 8788 5899
E info@glassworksaustr.com

About Cardinal Glass Industries

Cardinal Glass Industries (est. 1962) is leading the industry in the development and fabrication of advanced glass solutions for windows and doors. They have been setting new benchmarks in low-e coated glass products and have recently pioneered the LoE³-366®, which Glassworks is now distributing exclusively to the Australian market.

Occupying 27 manufacturing locations around the US, they invest heavily in research and development, with their twin R&D centers in Minnesota and Wisconsin providing the basis for new advances in glazing fenestration.



Available exclusively in
Australia from Glassworks

