



LoE³-366 Glass

[< Products](#)[PDF Brochure \(1.3MB\)](#)SHGC: 0.27 / U-FACTOR: 0.24 / TDW: 0.43 / LIGHT TRANS: 66% / [All stats](#)

A new standard

Cardinal introduces LoE³-366 (pronounced low E cubed-366), the ultimate performance glass. It just might make all other low-E glasses obsolete. LoE³-366 delivers the ideal balance of solar control and high visibility. And it provides the highest levels of year-round comfort and energy savings, making it the perfect glass no matter where you live. The secret? An unprecedented triple layer of silver. This is beyond ordinary low-E glass; LoE³-366 sets the new standard.

Low-E times three makes the difference

Cardinal has for years worked with top-tier window manufacturers by providing energy-efficient LoE² glass. Now with three layers of year-round thermal protection, the benefits are exceptional.

The result: a clear coating that blocks even more solar gain than ever before, reflects heat and lets the light stream in. Notice the difference below between clear glass, regular low-E glass and new LoE³-366.

- This Application Requires JavaScript and Flash -

Energy savings all year long

The full-year benefits of LoE³-366 can be clearly seen. When the temperature soars in the summer, ordinary window glass just can't beat the heat. And tinted glass spoils the view. LoE³-366 is formulated to reject solar heat while maintaining attractive visibility. So it keeps the heat out while letting light in. As a matter of fact, LoE³-366 glass is our ultimate in performance and clarity among all of Cardinal's clear coated products.

What is more, LoE³-366 provides the ultimate in fading protection. It blocks 95% of the sun's damaging ultraviolet rays - a leading cause of fading - so your furniture, carpets, curtains and wall coverings stay beautiful for years.

During the cold weather, the insulating effect of your windows has a direct impact on how your rooms feel. The better insulated the window glass, the warmer your room will feel. In fact, the [Efficient Windows Collaborative](#) suggests that when glass surface temperature falls below 52°F, there is a risk of thermal discomfort. To maintain the best comfort during the winter, select a glass product that produces surface temperatures that will stay above this point during the coldest outdoor conditions.

According to the chart below, the insulating capability of LoE³-366 can't be compared to any other glass product. This is a key factor in the construction of comfortable homes. Additionally, the dramatic comfort improvement in windows with warm glass surfaces means the humidity of the indoor air can be controlled and maintained properly. Proper humidity levels will improve comfort and promote a healthier living environment.

| Inside glass temperatures | outside temp | outside temp |
|---------------------------|--------------|--------------|
| | 20°F | - 20°F |
| Single-pane | 30° | 4° |
| Double-pane clear | 49° | 35° |
| Ordinary low-e | 58° | 50° |
| LoE ³ - 366 | 61° | 52° |

Saving money and protecting the environment

According to the [Consumer Federation of America](#), the average American household spends \$1,500 per year on energy costs. But energy-efficient windows can help save a bundle. In fact, you can reduce your energy bills by one-third by simply using low-emissivity glass.

But not only does it make financial sense, it's smart to do in view of limited global resources. Conscious consumers are increasingly making purchasing decisions based on current environmental realities. By using products that reduce energy consumption, one diminishes their environmental footprint, limiting usage of fossil fuels and lowering carbon emissions.

Cardinal's new shield of protection

At Cardinal, our goal remains the same: to set the standard for high efficiency residential glazing products. Now, with LoE³-366, a new standard has been created. To gain more information about LoE³-366 coated glass, please contact your builder or architect, or the closest [Cardinal CG facility](#).

Additional facts

- Can include hurricane-resistant lamination
- All residential sizes, thicknesses and shapes offered
- Custom configurations available

[Products Company](#) [CLIMATE CHANGE Technology Media/Press search](#)

© 2008 Cardinal Glass Industries [Legal / Disclaimers](#)