

## WHAT FIRELITE SURFACE FINISH IS COMPARABLE TO OTHER CERAMICS BEING PROMOTED AS “PREMIUM?”

### WHAT IS THE DIFFERENCE BETWEEN PREMIUM AND STANDARD GRADE FIRELITE?

Premium Grade FireLite is finish ground on both surfaces so that the finished glazing is nearly distortion free – a surface finish unmatched by alternative products. Standard Grade FireLite may have slight surface imperfections, which may become more apparent in larger sheet sizes, however this finish is comparable to alternative ‘Premium’ products.

What causes the imperfections? Surface imperfections in ceramic may be created in two ways during glass production – during initial glass forming, as well as final ceramizing in a kiln. The polishing process used for Premium Grade FireLite grinds the surfaces to a smooth finish, nearly eliminating any imperfections or distortion that may be caused during production.

While some suppliers promote unpolished ceramics as a “Premium” product, **Technical Glass Products (TGP) is the only source in North America offering polished, virtually distortion-free fire-rated ceramic glass.**

### WHAT ARE THE GENERAL CHARACTERISTICS OF FIRELITE?

The industry standard for more than a decade, FireLite ceramic glass from TGP is made from transparent glass-ceramic, and differs in color from float glass. FireLite appears to have a warmer earth tone when compared to the blue green tint of typical float glass. However, like float glass, FireLite ceramic will not demonstrate a highly perceptible color once installed in a frame. FireLite is available in large sizes and can be installed in standard fire-rated frames. FireLite is fire-rated for up to 3 hours, passes the required hose stream test and is listed by Underwriters Laboratories, Inc.®

### WHAT IS THE DIFFERENCE BETWEEN FIRELITE PREMIUM GRADE AND FIRELITE STANDARD GRADE?

FireLite ceramic glass is available in three distinct surface grades (Premium, Standard and Obscure). Both Standard and Premium Grade FireLite provide a clear wireless surface condition. FireLite Standard Grade may have slight surface imperfections and FireLite Premium Grade is polished on both sides to provide optimal clarity and remove any imperfections. An important point to remember is that ‘Standard Grade FireLite’ is comparable to alternative ceramics often promoted as a ‘Premium’ finish. Obscure Grade has a patterned surface to provide additional privacy.

To view samples that illustrate the different FireLite surface qualities, please refer to [fireglass.com](http://fireglass.com). To request a sample kit, please contact TGP at 800.426.0279.

### WHAT IS THE MATERIAL LEAD TIME FOR THESE PRODUCTS?

FireLite products can be obtained locally. FireLite distributors in your area stock, cut and label wireless fire-rated products that meet ANSI and CPSC impact standards. With no need to ship these products, customers can take advantage of quick cutting, labeling (to meet code requirements) and delivery. For a local distributor in your area, contact TGP or visit [fireglass.com/distributors/](http://fireglass.com/distributors/)

### WHAT IS THE COST DIFFERENCE BETWEEN PREMIUM AND STANDARD GRADE CERAMICS?

Premium and Standard Grade fire-rated ceramics both come at a higher price over typical window glass, given their unique material properties and ability to provide critical life safety and property protection from flames and smoke. Due to additional polishing, Premium ceramic is the higher priced product, but provides the greatest clarity. Standard Grade FireLite is the most cost effective, and is comparable to alternative ceramic products often referred to as ‘Premium’.

### WHO CAN PROVIDE A COST QUOTE FOR PREMIUM VS. STANDARD GRADE CERAMICS?

For further details, and a list of qualified glaziers in your area, please contact TGP.