



WHAT SURFACE TEXTURES AND COLORS ARE AVAILABLE?

Pilkington Profilit™ is available in Standard Cast (patterned surface with a slight green hue), Clear (no pattern), and Amethyst (standard cast with a blue coating). Performance coatings include Low-E and Sun protection (Antisol®). All coatings are a pyrolytic applied to the standard glass channel at the time of fabrication.

WHAT IS THE LONGEST LENGTH PROFILIT CAN BE INSTALLED IN AN APPLICATION?

The glass is manufactured in up to 23 ft (7m) lengths; however, the building design load will determine the maximum length that can be used in a particular application.

ARE THERE DIFFERENT WIDTHS AND DEPTHS OF GLASS AVAILABLE?

Yes, the glass is available in two depths, a 41 mm flange and a 60 mm flange; the widths are numerous and can be seen at our website, www.tgpamerica.com.

CAN PROFILIT BE INSTALLED IN A SINGLE GLAZED VERSION?

Yes, however only in vertical applications.

CAN PROFILIT BE INSTALLED IN A RADIUS OR SERPENTINE APPLICATION?

Yes, the framing can be roll formed to a radius as tight as 6'6" and the glass simply segmented around the opening.

CAN PROFILIT BE INSTALLED HORIZONTALLY?

Yes, there are special framing sections for that purpose. Horizontal glass can be installed up to 13' in length, or up to the length specified in our wind load charts for high design load areas.

CAN PROFILIT COMPLY WITH SAFETY GLAZING CODES, ANSI Z97.1, CATEGORY I AND II AS WELL AS CPSC TITLE 16 PART 1201?

Yes, we offer Profilit in a tempered version which complies with ANSI Z97.1 and CPSC 16CFR1201 (Cat. I & II). We also offer Profilit with an applied safety film (SCLARL 400 by 3M) which complies with ANSI Z97.1 and CPSC 16CFR1201 (Cat. I & II) and offers fall-out protection as well.

CAN PILKINGTON PROFILIT BE HEAT SOAK TESTED?

To minimize the possibility of spontaneous breakage caused by Nickel Sulfide (NiS) inclusions found in tempered glass, the heat soak test is applied at the tempering facility in Europe. Heat soaking may cause breakage of the glass during the production process, rather than after the material is delivered to the job site for installation. While it is unlikely, it must be noted that spontaneous breakage may still occur with tempered glass that has been subjected to the heat soak test.

CAN PROFILIT BE MADE MORE OBSCURE?

Yes, we can sandblast the inner surface and treat it with a polymer type of protective coating, or apply an opaque film to achieve increased obscurity. Sandblasting can only be applied to standard cast glass channels. Any glass with a pyrolytic coating cannot be sandblasted as the coating would be damaged.

WHAT IS LUMIRA™ AEROGEL?

Lumira™ aerogel, manufactured by Cabot Corporation, is the lightest weight and best insulating solid in the world. Manufactured with translucent silica particles that are 5% solids and 95% air, it is ideal for daylighting applications. Lumira aerogel filled polycarbonate panels are available as high performance insulation for the Profilit system. TGP is the exclusive distributor of Lumira aerogel.

WHAT IS THE PURPOSE OF WIRED PROFILIT? DOES IT ENHANCE PERFORMANCE FOR SAFETY RATINGS OR FIRE-RATINGS?

We offer the wired glass strictly for aesthetic purposes, as it does not meet impact safety standards. However, the wire does provide added protection against fall-out if broken.

HAS PROFILIT BEEN TESTED AND FOR WHAT TESTS?

Yes, this system has been tested and complies with a variety of AAMA certified tests. These include: air, water, structural, thermal, seismic, acoustic, and safety. These certified test reports are available upon request. In addition to these tests, our system has been approved by California DSA for use in public school projects and recently has passed Miami/ Dade hurricane impact testing. In addition to the listed tests, there are several project specific test reports for special projects throughout the country.

WHAT IS THE U-VALUE?

The American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE) and the National Fenestration Rating Council (NFRC) have different methods to test the thermal performance of fenestration. ASHRAE standards are recognized by the IBC for commercial construction and do not test the fenestration assembly, rather the center of the glazing. NFRC, however, tests not only the glazing but the test results include the U-Values from the frame system as well. Profilit U-Values for both standards are as follows:

NFRC:

Standard cast over standard cast = U-Value of .53

Standard cast over standard cast with Low-E = U-Value of .42

Standard cast over standard cast, Low-E, with Nanogel = U-Value of .32

ASHRAE:

Standard cast over standard cast = U-Value of .49

Standard cast over standard cast with Low-E = U-Value of .34

Standard cast over standard cast, Low-E, 16mm Nanogel = U-Value .21



WHAT ARE THE CRF AND SHGC VALUES OF A PROFILIT SYSTEM?

Charts showing performance values for Profilit configurations can be seen at our website, www.tgpamerica.com.

DO WE PROVIDE THERMALLY BROKEN FRAMING AS WELL AS NON-THERMALLY BROKEN FRAMING?

Yes, all of our framing is available in either thermal or non-thermal versions.

CAN PROFILIT BE USED IN OVERHEAD APPLICATIONS?

Yes, though this is an uncommon application, Profilit can be tempered and would thus comply with US overhead glazing safety rules and regulations. Our technical services department can supply the local building authorities with all of the information and safety test reports needed for them to make a ruling on this type of application.

WHAT IS THE MATERIAL LEAD-TIME?

Lead-time will be determined at the time the order is placed.

HOW MUCH DOES AN INSTALLED PROFILIT SYSTEM COST?

It depends on the area of the country where it will be installed. Due to a wide-range of labor rates throughout the country, this cost can vary quite a bit. Usually the material cost is about half of the installed cost. In most cases, the installed cost is about the same as curtain wall pricing. Prior to providing budget prices, it is in everyone's best interest to get budgets from local glaziers.

WHO CAN PROVIDE A PRICE FOR PROFILIT PROJECTS?

Contact TGP, and we will put you in touch with a qualified glazier in your area.

