



THERMAL SHOCK RESISTANT



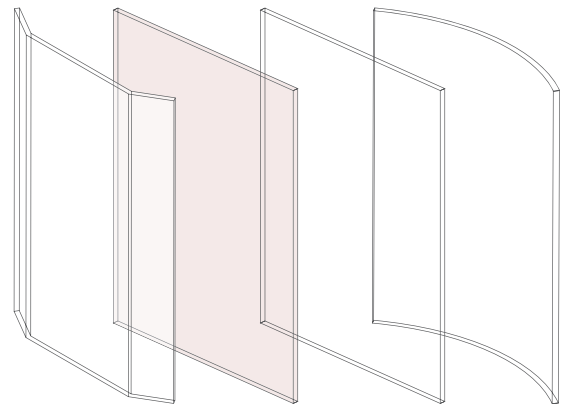
HIGH HEAT RESISTANCE 1292°F

HEAT-RESISTANT GLASS-CERAMIC FOR HIGH EFFICIENCY HEATING APPLIANCES

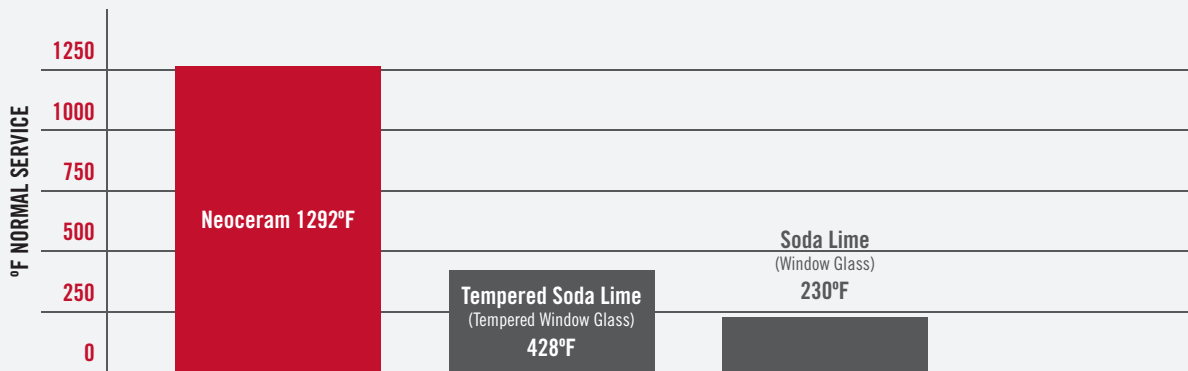
Neoceram is a transparent low-expansion glass-ceramic with a number of outstanding features that include high resistance to thermal shock, high mechanical strength, and excellent electrical characteristics. With an almost zero thermal expansion coefficient, the applications for Neoceram continue to grow. Trusted for over 30 years, Neoceram now features a smoother, texture-free surface with less visible color. This next generation of Neoceram was developed specifically to address the larger glass areas that are becoming common in contemporary hearth designs.

FEATURES

- Withstands continuous temperatures to 1292°F
- Thermal shock resistant
- Impact strength
- Superior heat resistance (nearly three times that of tempered glass)
- Improved surface quality and color
- Available in clear, white, and black
- Available in 3 mm and 5 mm thickness
- Good mechanical reliability
- Can be cut with regular glass cutters for immediate customer service
- Available in a wide variety of shapes and sizes including bent and curved configurations
- Sheet sizes up to 42" x 78"
- Available with mirrored and colored options (ceramic frit)



PHYSICAL PROPERTIES FOR NORMAL SERVICE (APPROXIMATE 1/4" THICKNESS)



NORMAL SERVICE

No breakage from excess thermal shock is assumed. Non-abused glass should last indefinitely.

THERMAL SHOCK

The physical shock glass undergoes when evenly heated to the above listed temperature, then plunged into water at 50°F without breakage. This data is approximate only and varies with thickness.

Reference: Properties of Glasses and Glass-Ceramics Corning Publication- PGGC-8/73-5M-HP.
This information is intended for general reference only. For more information, please call Technical Glass Products.

NEOCERAM VS. SODA LIME GLASS: LOSS OF TEMPER OVER TIME

When exposed to heat, traditional Soda Lime glass will lose temper over time. The greater the heat source, the quicker, and more extreme the loss of temper. When temper is lost, the possibility of breakage rises. Neoceram retains its heat resistance indefinitely.

