

## 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.



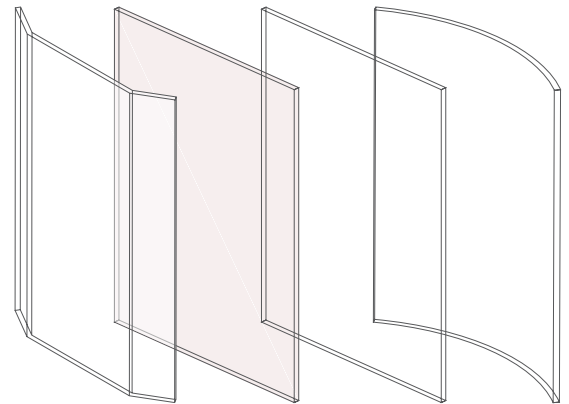
Thermal Shock Resistant



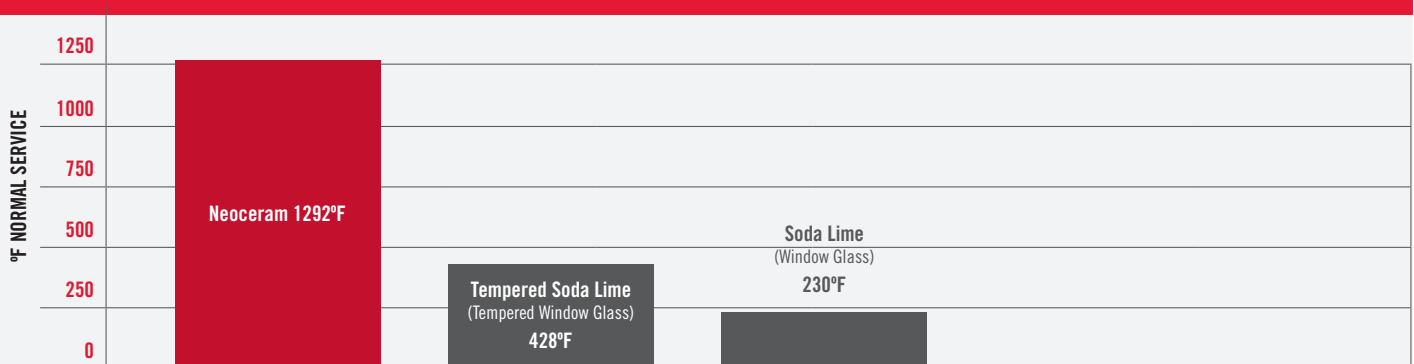
High Heat Resistant

### FEATURES

- Withstands continuous temperatures to 1292°F
- Sheet size of 44" x 78" (silica coated)
- Available in a wide variety of shapes and sizes including bent and curved configurations
- Free of arsenic and heavy metals
- Thermal shock resistant
- Superior heat resistance (nearly three times that of tempered glass)
- Improved surface quality and color
- Available in clear and black
- Available in 3 mm and 5 mm thickness
- Can be cut with regular glass cutters for immediate customer service
- Available with colored options (ceramic frit)



### PHYSICAL PROPERTIES FOR NORMAL SERVICE (APPROXIMATE 1/4" 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.

### NORMAL SERVICE

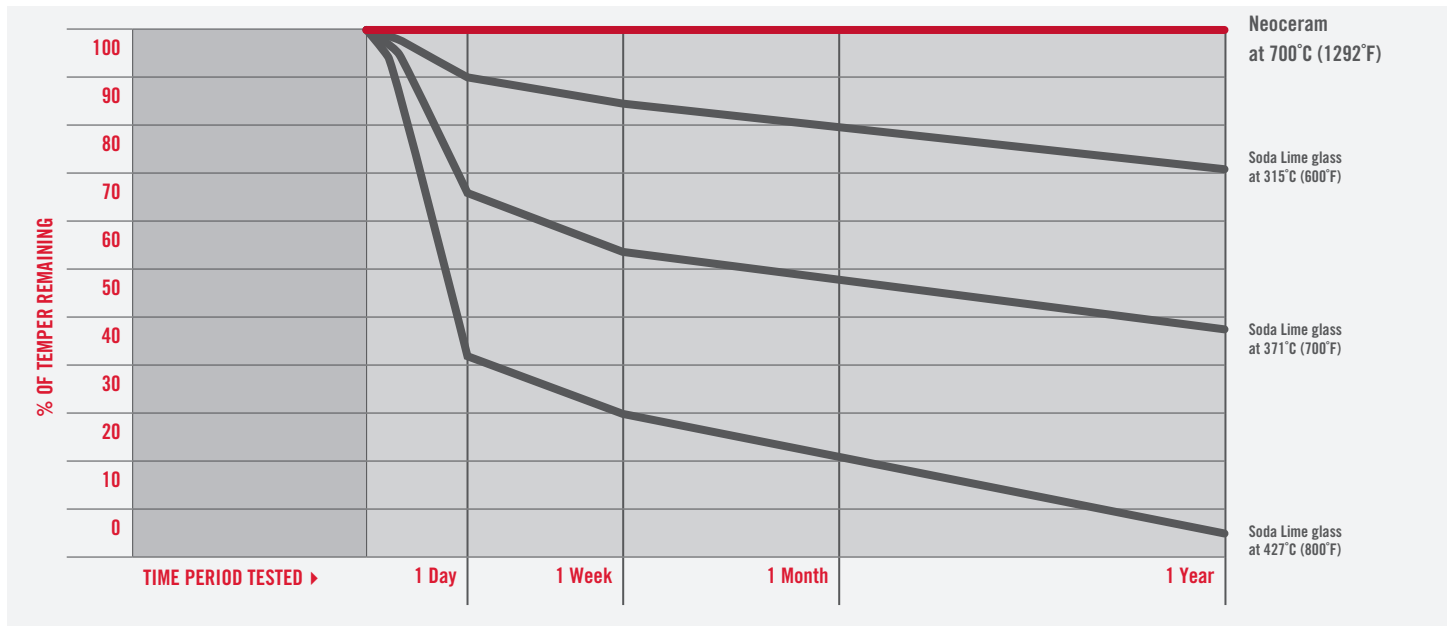
No breakage from excess thermal shock is assumed. Non-abused glass should last indefinitely.

### 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.

## 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.



TGP offers a complete family of products for all your fire-rated glazing needs, ranging from 20 minute to 3 hour applications.

### Fireglass®20

Fire-rated, impact safety-rated glass

### FireLite®

Fire-rated glass ceramic

### FireLite® NT

Fire-rated, impact safety-rated glass ceramic with surface-applied film

### FireLite Plus®

Fire-rated, impact safety-rated glass ceramic

### FireLite® IGU

Fire-rated or fire/impact safety-rated insulated glass units

### Pilkington Pyrostop®

Fire-rated, impact safety-rated transparent wall panels

### WireLite®

Fire-rated, wired glass

### WireLite® NT

Fire-rated, impact safety-rated wired glass with surface-applied film

### Fireframes®

Fire-rated framing & doors for use with all TGP glass products