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.
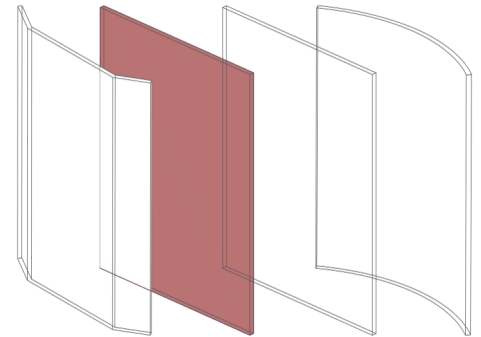
Thermal Shock Resistant

High Heat Resistant

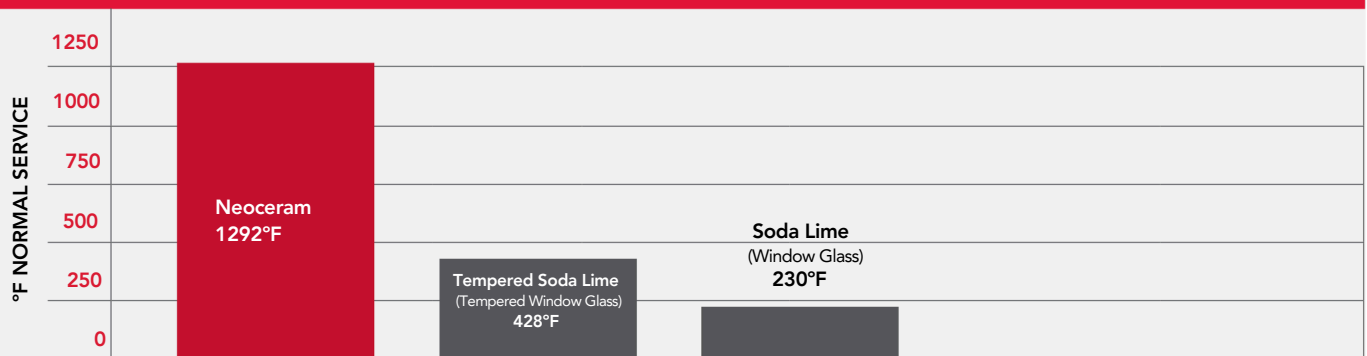#1 NORTH AMERICA'S MOST SPECIFIED FIRE-RATED GLASS COMPANY

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
- Available in clear and black

- Superior heat resistance (nearly three times that of tempered glass)
- Improved surface quality and color
- 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)

°F NORMAL SERVICE

| 1250 |
| 1000 |
| 750 |
| 500 |
| 250 |
| 0 |

Neoceram 1292°F

Tempered Soda Lime (Tempered Window Glass) 428°F

Soda Lime (Window Glass) 230°F

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.