

# KAISER LEE BOARD (KLB) - BASIC INFORMATION & INSTRUCTION

## EVEN HEAT DISTRIBUTION

KAISER LEE BOARD mold or shelf will not interfere with the heating & subsequent cooling process of your project ensuring even heat distribution and **less stress** on the glass. Uneven heat distribution can be a major drawback with other mold materials causing glass projects to be ruined.

## ONLY KAISER LEE BOARD

- ✓ Is easy to **cut, carve, and shape**
- ✓ Makes effortless **relievs**
- ✓ Is a perfect **casting** medium
- ✓ Has **no waste** - even scraps can be used
- ✓ Does not need mold hardener
- ✓ **Is pre-fired** - eliminating organic binders
- ✓ Releases **no unpleasant fumes** when firing
- ✓ Is **re-usable** countless times
- ✓ Can be fired **OVER & INTO** -creating a kiln formed **GLASS OBJECTS** that is **DRAPED & SLUMPED!**
- ✓ Will allow you to **full fuse and slump** up to 1" deep in **one firing**

## SMOOTH FINISH

For a very smooth finished project, sand the board with fine sand paper. Sand gently as the surface smoothes very quickly. Apply separator (kiln wash) several times and take to a 1400 F. The kiln wash will seal the board and is creating a ceramic like surface. Do not fire without thin fire paper when you take it to a full fuse temperature. The kiln wash may adhere to your glass and the board to the kiln wash.

## TECHNICAL DATA

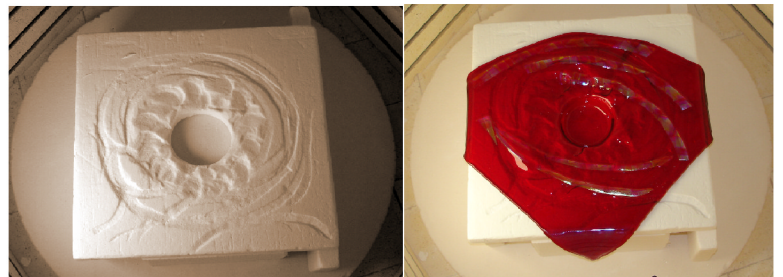
- ◆ Board thickness 1", 1.5" or 2" max. board size 24" x 36"
- ◆ Compressive Strength 14.6 lb./sq."
- ◆ Chemical Composition  $AL_2O_3 + SiO_2$
- ◆ Temperature 2101 F/1150 C

## BASIC INSTRUCTIONS

Prepare your work area by covering it with old news paper. Place the board on a *flat surface* when cutting it to avoid breakage.

Using a pencil, draw your mold design directly on the KAISER LEE BOARD. Cut along the pencil lines with a simple kitchen knife or a stainless steel putty knife for a straight edge cut.

For added stability, gently round edges using fine grade sand paper. The fine grade sand paper is also useful to smooth the surface of your mold if desired.



## PREPARING THE MOLD FOR FIRING

It is possible to simply fire directly onto KLB without further preparation. The glass will retain the surface texture of the board as a result and the back will be rough, which is good, when you need to glue the glass to a wall or anything else.

We recommend use of thin fire paper or Primo Primer. The back of the glass will be smoother. In drape molds it makes a good buffer between glass & mold. Thin fire paper will help release glass from the mold ensuring re-use of the mold.