TECH DATA – KAISER LEE BOARD

www.kaiserlee.com

Kaiser Lee Board is a high temperature alumina/silica fiber board. It may be used in lieu of a hard ceramic kiln shelf and as slump, drape and casting molds. It does not retain heat, as does ceramic shelves and molds. It withstands heat to 2101 F/ 1150 C. All organic binders are burned out in the factory and the board will contain its original ridgety and consistency through many years of firing.

Since the organic binders are already gone, Kaiser Lee Board is easy to carve and cut but precaution must be taken when handling it. Always make sure that the board lays on a flat surface before working with it. (See safety advice)

Release for Fiberboard Kiln Shelves and Molds

We recommend the use of **Primo Primer kiln** wash or **release paper**. Sanding the board lightly with a fine sand paper block and priming it with primo primer will give it a very smooth surface. Leaving the texture and using it as a design element is another option. It is so easy to carve, that you can actually create your own texture which will also be seen with the use of release paper.

Kaiser Lee Board provides 4 additional release options.

"1. No Kiln Wash - the surface of an uncoated fiberboard is course and the bottom surface of the glass will be rough and some of the fiberboard particles may stick temporarily to the glass (it comes off easily). I usually do not like this surface texture, except when I'm making tiles, as the rough surface improves the grip when installing.

2. Iridescent Side Down - The iridescent coating on glass functions as its own release and does not stick to fiberboard. In addition the fiber particles actually intensify the iridescent look (this is also true when using fiber paper).

3. **Kiln Wash Powder** - I keep a nylon 'knee-high' sock filled with dry kiln wash powder with my release supplies and I use it to 'sift' powder on my fiberboard and fiber paper molds. This enhances the release effect on previous kiln washed fiber molds and increases the number of firings I can get out of a fiber paper release before it disintegrates.

4. Mica Powder - This product is available in assorted colors and is normally used to create surface decoration effects. However Patty Gray (a fusing celebrity) gave me a wonderful hint - spread mica powder on the uncoated surface of fiberboard and rub it into the porous surface. It will prevent sticking, make the glass surface smooth and gives the surface a nice shine." (This text is taken from "Fuse It – A Continuing Journey in Kiln Worked Glass by Petra Kaiser)

Exposure Control/Personal Protection

Minimize airborne fibers by producing as little dust as possible (working slowly and maintaining good housekeeping)
Wear a NIOSH/MSHA approved respirator
War long sleeved, loose fitting clothing, eye protection, and gloves
Wash work clothing separately and rinse washing machine after use.

First Aid Measures:

Eyes:	Flush with water
Skin:	Wash with soap and warm water
Ingestion:	Do not induce vomiting. Get medical attention if gastrointestinal symptoms develop
Inhalation:	Remove to fresh clean air

If any of the above irritations persist, seek medical attention immediately.

Currently, there are no known chronic health effects in humans from long-term exposure to ceramic fibers. Animal studies have indicated that refractory ceramic fibers ingested into the peritoneal cavity (abdominal) have caused acute abdominal hemorrhaging in hamsters but not rats. Injections of this type have also caused tumors in the abdominal or pleural cavities in lifetime rat and hamster studies.

Recently published inhalation studies have provided contradictory results. One study, which used rats as the experimental animal, reported lung damage consisting of alveolar proteinosis and interstitial fibrosis, whereas, other studies using rats and hamsters, showed no similar effects.

For more information please consult our **MSDS** Sheets.