



## BASIC INFORMATION

1. SilkeMat® is a NON-CARCINOGENIC material and can be cut and handled with minimal concern. See the SDS sheet for more information, available on the website.
2. You may prefire SilkeMat® **AFAP** (As Fast As Possible) to 1450F for 15-20 min to burn out moisture and pre-shrink, IF YOU CHOOSE. It is not necessary to do so prior to usage. There are no organics to burn off, but moisture and a small amount of residual oil from the rollers may be evident. Vent your kiln accordingly.  
**DO NOT FIRE AFAP ON A CERAMIC SHELF, WHICH COULD CRACK.**  
**Either remove your shelf or slow your firing down.**
3. PLEASE NOTE: IF RIGIDIZING, YOU MAY SKIP THE PRE-FIRE INSTRUCTIONS ANYWAY.
4. SilkeMat® will shrink slightly the first firing but will not change upon subsequent firings.
5. Once fired, you will notice that SilkeMat® becomes slightly stiffer, rather than softer like other fiber materials. This also allows it to hold a form longer.
6. SilkeMat® can be laser-cut and/or hand cut for kiln carving projects. The material cuts cleanly for a crisp edge and can be fired multiple times with no degeneration.
7. SilkeMat® may be rigidized with SilkeMat® Rigidizer, but care should be taken when sanding, using a good dust mask. N-95 or better is recommended.
8. A rigidized board may be coated with kilnwash or a high-quality boron nitride spray to avoid any sticking issue due to the rigidizer. However, we have found even pot melt glass usually pops out with little to no damage to the mold.
9. SilkeMat® may be molded without rigidizing. It has a memory for soft forming and will hold that form for many subsequent firings.
10. Float Glass has not been found to stick to SilkeMat® at normal temperatures, even with multiple firings. However, softer glasses (COE 90 & 96) & opaque glasses are more stubborn at full-fuse temperatures, although residual fibers can usually be removed with a brush. A light spray with high-fire boron nitride has been helpful to prevent sticking, but not necessary.
11. When using SilkeMat® for slumping molds, it has not been necessary to do any preparation other than pre-firing. You can shape and prefire at the same time. And all glasses tested, released smoothly with no clouding at slumping temperatures even when the interior has been left unrigidized.
12. If rigidizing and using as a pot melt or vitrigraph mold, firing to 1600F for an hour has been sufficient to create a nice melt, and the residual glass usually pops out with little to no damage to the mold.
13. We have found the ¼" thickness is quite sufficient for all applications can usually be used for many firings, especially if unrigidized.
14. Some users may be sensitive to SilkeMat fibers. In that case, gloves & appropriate clothing are suggested.

We are constantly discovering new things about this product and will update you accordingly. Our Facebook Group "SilkeMat Tips & Techniques" is a good source for interacting with the SilkeMat® community and discovering new and different ways to use SilkeMat® and SilkeMat® Rigidizer.

Happy Firing!

GlasTile Inc/SilkeMat®, 411 N Cedar St, Unit B, Greensboro NC 27401, USA 336-580-7063

[sales@SilkeMat.com](mailto:sales@SilkeMat.com) SilkeMat.usa@gmail.com [www.SilkeMat.com](http://www.SilkeMat.com)

©GlasTile Inc April, 2021