

Embossed Glass Project – 12 in Square Deer Head



Cut the fiber paper to size. You can use any thickness you prefer. This project was done with 1/8" thick ceramic fiber paper.

With the smoothest side of the fiber paper facing up, place carbon paper on top of the fiber paper. Prepare a drawing of your desired design and place it on top of the carbon paper.

With pen or pencil, draw along the pattern lines to carbon the pattern onto the fiber paper. Press firmly to be sure it transfers the pattern. You may have to hand draw on some parts of lines after that didn't completely transfer through.



With a box cutter or stencil knife, cut out the parts of the pattern you want to be embossed. Cut with a smooth even pressure – the same as for cutting glass.

Leave pieces between cut outs at least as wide as the fiber paper thickness. Be careful to not cut out so much of the stencil it won't stay in place.



Place the stencil on the kiln shelf.

Place the glass on the stencil. This project was done with a layer of clear glass capped with a layer of amber glass.



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Kiln Firing

For single layer glass fire to 1360F tack fuse temperature and hold for 20 minutes.

If you're firing single layer, you don't have to use fuse tested glass but can use lower cost art glass. Firing to lower temperature produces a less pronounced embossing with more subtle variations. If you fire single layer glass to higher full fuse temperatures, it will distort badly as it migrates to become ¼" thick.

For single layer firing use the following schedule:

1. 500 dph to 1000°F hold 20 min
2. 850 dph to 1360°F hold 20 min
3. FAP to 960°F hold 60 min
4. 500 dph to 300°F OFF

For double layer (you can fuse and emboss in same firing), fire to 1460F full fuse and hold for 20 minutes.

COE 96 glass was used for this project.
The firing schedule used was:

1. 400 dph to 1000°F hold 20 min
2. 150 dph to 1175°F hold 10 min
3. 850 dph to 1460°F hold 20 min
4. FAP to 960°F hold 60 min
5. 400 dph to 300°F OFF

For COE 96 glass, use the same schedule but in segment 3, take the temperature up to 1480°F

For clear float glass, or clear textured architectural glass, use the same schedule but in segment 3, take the temperature up to 1500°F

Slump & Fuse together

If you use a fairly shallow mold, you can do the slump and fuse/emboss in a single firing using the same schedule as for single or double layer.

Finished Project



Extra Decoration

For extra detail, you can add small strips of ceramic fiber paper, chopped up bits of fiber paper, or a thick kiln wash paste. A cake decorator works well to apply kiln wash paste.

Any material that will tolerate the firing temperature and won't stick to the glass can be used to create texture.