

From <http://www.delftclay.co.nz/how-to-make-refractory-cement-3-recipes/>

Refractory Cement Recipe #1

What You Will Need:

- Portland cement (You can purchase a 94 lb. bag at your local hardware store for less than \$10.)
- [Perlite](#) (Can be purchased for \$10 to \$25.)
- Silica Sand (A 50 lb. bag costs less than \$25.)
- Fire clay or Well drillers mud (A 50 lb. bag averages less than \$10.)

The Formula

1.5 parts Portland cement + 2 parts Perlite + 2 parts silica sand + 2 parts fire clay

What to Do:

Using the portions listed measurements listed above, mix the Portland cement, Perlite, and silica sand together thoroughly.

Combine the mixture with 2 parts fire clay.

Once the mix has the consistency of stiff cookie dough, pack it into the preformed form. You may need to add a little bit of water to get the right consistency.

Allow it to dry for several days.