

MIRACLE MUDD®

Directions for use.

It is strongly recommended that you perform a simple test prior to applying the Miracle Mudd to your finished work. This test is to verify the setting properties of the product. Check the color of the liquid: it should be medium to dark amber in color.

In a disposable dish mix a small amount of the liquid and dry together to the desired consistency. Allow this test batch to sit, undisturbed, for 24 to 48 hours. After the waiting period check the hardness by gently poking it with a pointed stick of some kind - It may not be completely solid at this point but it should not crumble.

If it shows any crumbling, or does not seem to be set as it should, mix another test batch, adding a small amount (approximately 25% of the volume) of Boiled Linseed Oil* to the liquid first. This may slow the drying time so give it at least 48 hours. If you still find crumbling in the test batch, return the liquid for a replacement bottle.

- Mixing Miracle Mudd®: Place a quantity of the liquid in a container (old coffee cans or something else disposable) and add the powder a little at a time. Mix thoroughly, adding more liquid or powder as needed. Once it appears to be the preferred consistency (this will vary according to individual preference) allow it to set for a couple of minutes and mix again.
- It is wise to apply Miracle Mudd® with an applicator of some kind, rather than your hands. A large "stenciling" brush with the bristles cropped short works well. Apply in a circular motion to push the mixture under the leaves of the came.
- Once all of the lead has been sealed (when cementing a large panel work in sections) sprinkle the whole panel liberally with Whiting or Sawdust. Lightly brush it over the surface, and allow it to set for a minimum of fifteen minutes. Depending on the weather conditions, cleanup can begin immediately, but if the weather is cool or damp, wait the minimum time. If it is warm and dry, begin cleaning immediately.
- It is important that Miracle Mudd® be cleaned from the lead came surface and any textured glass promptly, or it will be difficult to impossible to remove once it has had time to set up.
- Using whatever stick or tool is your preference, trim the excess cement from the edges of the came — vacuum or brush off — then using a soft bristled brush (a "bench" brush with shortened bristles works well for this) brush in a circular motion to loosen the cement from the surface of the glass and came. Vacuum or brush off again. Polish the surface of the lead with terry cloth, or a polishing brush designed for this purpose, to shine and darken the lead. Then finish any trimming and clean up any "blurring" from the glass with a soft cloth.
- In most cases, the panel can be turned and the other side done right away. If it is a large panel, allowing it to set for a day or two and then doing the other side, will make handling much easier.

Helpful Hints:

- If you are using Miracle Mudd® in the large "studio" size, store your liquid in an old vinegar bottle or similar glass container. Over a period of time any oxygen in the plastic bottle will begin "soaking" through the soft plastic causing it to "suck up."
- Terry cloth is very good for getting the cement out of glue chip and similar textures, as long as it is done promptly. It requires some elbow grease. Don't wait!
- If you have a "loose" panel to cement, mix the Miracle Mudd® fairly thick to avoid having it run through to the other side.
- On large panels, solder, cement and clean one side, wait two days and turn it and solder and cement the other side. Mix it thick for the first side so it won't interfere with the soldering on the other side.
- If you do get some oozing through that makes the joints difficult to solder, don't use a wire brush to clean the lead. Using a wire brush works the oil into the lead, instead of cleaning it off. Rather, slice off the affected area with a sharp craft knife and then solder.
- Miracle Mudd® is much easier to mix if you add the dry to the liquid, rather than adding the liquid to the dry.

*Boiled Linseed Oil is available in artist supply and hardware stores.