

USING MIRACLE MUDD™

- Mixing Miracle Mudd® is easy. Place a quantity of the liquid in a container (I use old coffee cans) 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 stir again.
- It is wise to apply Miracle Mudd™ with an applicator of some kind, rather than your hands. My preference is a large "stenciling" brush with the bristles cropped short. Work 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 or whatever your cleanup medium might be. 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 (I use a 1/4" dowel sharpened in a pencil sharpener) trim the excess cement from the edges of the came - vacuum off - then using a bristled brush (I use a "bench" brush with shortened bristles) brush in a circular motion to loosen the cement from the surface of the glass and came. Vacuum again. Polish the surface of the lead with terry cloth or a polishing brush designed for this purpose, available from your local retailer, to shine and darken the lead. Then finish any trimming and clean any "blurring" from the glass.
- 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 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 long period of time the liquid will begin "soaking" through the soft plastic bottle.
- 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 really large panels, I 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 and it won't interfere with the soldering on the other side.
- If you do get some soaking through that makes the joints difficult to solder, **don't** use a wire brush. 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.