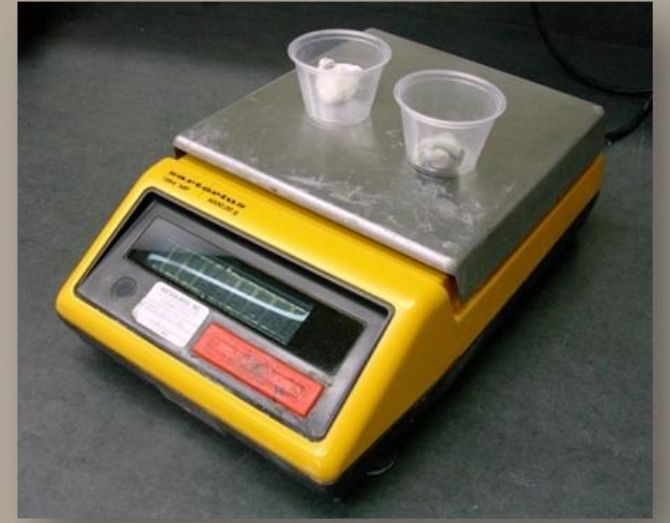


Results-

Results from the Oddy tests were variable, with a high percentage of copper coupon failures. This prompted a review and further testing of the components of the sampled epoxies to see if an explanation could be found. While no direct conclusion could be made, we found a number of the catalysts to be corrosive. The results suggested there might be some correlation between an excess amount of catalyst when mixing, and a lack of thorough mixing with the resin component. We retested certain epoxies that had failed the initial tests by measuring out the components by weight, instead of by eye, and thoroughly mixing the components; this was more important for the stiffer putty samples.



Conclusion-

While no direct substitute for PhillySeal was found during our product search, the working properties of Fixit epoxy from Aves Studio came very close. We also found a number of other epoxies with different working properties other than PhillySeal that passed our Oddy tests and performed quite well, which now allows us greater flexibility when using epoxy resins.

While we are unable to recommend any particular product, our initial testing indicated several epoxies that performed quite well. We encourage regular Oddy testing as a standard practice, since manufacturers may change ingredients without notice.

<u>Manufacturer</u>	<u>Product</u>	<u>Silver</u>	<u>Copper</u>	<u>Lead</u>	<u>Passed</u>
PC	11		F	F	
PC	Fast-N-EZ	F			
PC	Concrete EZ		F		
Kraftmark	Fab Epoxy		F		
Procreate	Professional Sculptors		F		
Cir-Cut Corp.	AllGame/All fix		F	F	
POR 15 Inc.	POR 15		F		
Milliput	Yellow Gray		F		
Milliput	Terracotta		F		
PC	Superepoxy			F	
Devcon	Magic Bond		F		
Paleo-Bond	Paleo Sculpt PB121		F		
PC	7		F		
Epoxy Technology	Epotek 731		F		
Procreate	Terrain		T		
The Complete Sculptor	Magic Sculpt		T		
PC	Fahrenheit		T		
Fiber Resin Inc.	Gapoxio		T		
Aves Studio	Apoxie Sculpt				P
Aves Studio	Fixit Putty				P
Aves Studio	Fixit Paste				P
The Complete Sculptor	Magic Smooth				P
PC	Crete				P
PC	Plumbing				P
PC	Metal				P
PC	Marine				P
PC	Lumber				P
Wood and Stone Co.	Akabond 621 KG				P

F=Failed T=Temporary use P=Passed