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Make Custom Coating

Make Your Own Custom Coating

Many researchers would like to test materials that we do not offer. For those situations, use of our binder or suspension-agent, sealant, or rigidizer liquid systems allows researchers to produce their own custom coatings by merely following these simple instructions.

How To Make Your Custom Coating	Application-use Notes
<ol style="list-style-type: none">1. Add powder of choice to the binder liquid.2. Mix by rolling or shaking.	<ol style="list-style-type: none">1. Clean substrates/surfaces of oils, dust, scale, etc2. Resuspend the material if the coating has settled. If difficult to resuspend, roll overnight on jar-mill roller.3. Apply resulting coating to a substrate, using whatever method is desired – brushing, spraying, dipping.4. Thoroughly dry (dry-to-the-touch) at ambient temperature.6. Place into use.

NOTE: Powders should preferably be -500 Mesh (-25 micrometers) average particle size, and are best if approximately 10 micrometers. Powder levels can be varied from a few percent of powder up to 80% or so, with the higher levels often forming thick/paste suspensions. Adjust the liquid level to fit your application. Typically, 10 to 70% powder may be added. Start at 50%, and add more powder or liquid as needed.

Clean tools with ethanol (for solvent-based binders) or water (for water-based binders).

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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