

IMPORTANT INFORMATION PREPARATION GUIDELINES

Instructions for Labsphere White Reflectance Pre-Mix Coating Suspension



NOTE:

The contents of the enclosed bottle must be mixed with ethanol before spraying. The material enclosed is non flammable and nontoxic. It should be kept tightly sealed between uses as it may develop mold. If the coating pre-mix appears slightly green, discard the coating.

PREPARATION INSTRUCTIONS

1. Shake the pre-mix solution vigorously before pouring to ensure that the pigment is well blended.
2. Measure out a known volume of the pre-mix and heat to 65°C while vigorously stirring. Stirring for a minimum, 5 minutes at 65°C, then allow the mixture to cool to approximately 50°C.
3. While stirring, add 0.6 volumes of 95% spectroscopic grade ethanol. For example, if 150 mL of coating is needed 100mL of the pre-mix coating would be mixed with 60mL of ethanol. It is suggested that grade SDA 3-A denatured alcohol or the equivalent be used, or 95% ethanol without denaturants*. After the alcohol has been added, mix in a blender or use a high speed stirrer to complete the production of the coating.

**Alcohol denatured with aromatic compounds, such as benzene and toluene will lower reflectance in the UV.*

For further information on the care and handling of Labsphere white reflectance coating pre-mix, please contact the Labsphere Technical Sales Department