

Supplementary Instruction Sheet

WOOD KOTE PRODUCTS INC

Lacquer & Polyurethane Stirring and/or Mixing Instructions

Objective:

Provide easy-to-follow step-by-step instructions for the proper mixing of lacquers and polyurethanes to assure flattening agents are evenly dispersed into the product before application.

Methods:

PLEASE NOTE! Normally CLEAR GLOSS lacquers and polyurethanes do not contain pigments or flattening agents and therefore, do not require mixing or stirring. Look into the can. If you can clearly see the bottom of the can, the product can be applied as is.

There are three (3) accepted methods of mixing:

1. Hand stirring
2. Mechanical agitation
3. Power mixing

Hand Stirring:

Requires a stir stick that should be 1/8" X 1", made of metal or smooth wood and clean. The ideal lengths for different capacity containers are as follows:

Quart = 10"
Gallon = 14"
5 Gal = 21"

Insert the stick into the container to the bottom. Move the stick in a figure-8 pattern across the diameter of the container gradually lifting the stick approximately 2" from the bottom each time the stick reaches the far edge of the container. The intention is to "lift" any settled material and combine it throughout the product. Generally, 5 minutes of proper stirring is sufficient. To assure all the materials are thoroughly dispersed, hold the stick vertically and move it around the bottom circumference of the container and then in an X-pattern across the bottom. Inspect the bottom tip of the stick. If there is any extra material lumped on the end, continue stirring until it is completely dissipated into the product.

Mechanical Agitation:

Requires an electric or pneumatic "shaker" machine that accepts the container capacity and shape. Be certain the container is tightly sealed.

Generally, 5 minutes of mechanical agitation is sufficient. To assure all the materials are thoroughly dispersed, you can use a stir stick and follow the directions above.

PLEASE NOTE! Mechanical agitation will introduce air into the product. In order to prevent air bubbles in the coating allow the product to stand for 90 minutes after agitation. Generally, the products will not need to be re-agitated if applied within 24 hours after thorough agitation.

Power Mixing:

CAUTION! Unless it is UL approved explosion-proof, **DO NOT** use an electrical apparatus such as an electric drill to mix flammable products.

Requires an adjustable-speed electric or pneumatic machine that rotates a shaft with a “blade” at the end. The machine can be stationary or portable. Be certain the blade size is proportional to the diameter of the container.

Insert the blade into the container almost to the bottom of the container. Start the blade rotating at the slowest possible speed. Increase the speed until a vortex is created in the liquid.

Generally, 5 minutes of power mixing is sufficient. To assure all the materials are thoroughly dispersed, you can use a stir stick and follow the directions above.

PLEASE NOTE! Power mixing can introduce air into the product. In order to prevent air bubbles in the coating allow the product to stand for 90 minutes after agitation. Generally, the products will not need to be re-mixed if applied within 24 hours after thorough mixing.

Visit our web site at <http://www.woodkote.com> for additional product information and application tips.