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LIQUID CRYSTAL INK INSTRUCTIONS

Please start by cleaning the surface thoroughly before applying any coating. Acetone, petroleum ether and other common organic solvents may be used. Please ensure that the surface is completely dry before proceeding.

The black base coat...

Please coat the surface with a black basecoat or backing. The Liquid Crystal shows the best effect on a dark backing. If the surface is already black or sufficiently dark, the Liquid Crystal coating can be applied directly to the surface. The black basecoat or backing should air dry after around 3-4 hours after brushing on. When sprayed through a good quality compressed gas sprayer like an artist's airbrush, the black backing will take around 30 minutes to dry. Drying temperatures of 20°C are required for the best results.

The Liquid Crystal...

The Liquid Crystal Coating may separate whilst in transit, please mix the Liquid Crystal thoroughly before use. This is very important. Small amounts (1-5ml) can be mixed on a clean, dry and smooth surface (glass is perfect) with a spatula. Larger amounts can be mixed in the container the liquid crystal arrived in.

The coating thickness will alter the surface texture. Thin coats are matt and slightly rough. Thicker coats flow together, giving a smoother gloss finish.

If you are spraying this product onto a surface, please spray 15-20cm above..

Air brush pressure = 20 psi/1.41kgcm⁻²/1.3 bar (approx.)

Liquid Crystal drying times:

The Liquid Crystal drying time is approximately 45 minutes at around 20°C, depending on the coating thickness. This can be accelerated by gently blowing warm air onto the coating. This can be achieved

by using a hairdryer set to a low temperature. Please hold the hairdryer 60cm above the surface and move in circular motions.

The coating thickness and the surface texture will affect the brightness and shade of the colour produced and may also affect the temperatures at which each colour appears. The thicker the coat, the lower the onset of colour. Too thick a coating results in the normally bright colours appearing milky (more noticeably at the red end of the spectrum).

100ml should be adequate to cover 1m².

Prolonged exposure to temperatures in excess of 70°C should be avoided if possible.

Cleaning up: Liquid Crystal can be removed by vigorous scrubbing with hot soapy water. Acetone can also be used.

Storage: Liquid Crystal coatings should be stored in a refrigerator at 5-10°C but **MUST NOT BE FROZEN**. They should be allowed to warm up to room temperature (20-30°C) before use. Surfaces coated with Liquid Crystal coatings should be stored out of UV light and in a solvent free environment. Ideally, no stress should be applied to the coated surface. If stored correctly, Liquid Crystal coatings have a shelf life of at least 6 months.

If you have any more questions, please call to speak to one of our technical consultants:

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