



Thixotropic Clear

UV Curable Screen Print Inks

The Thixotropic Clear is a unique UV ink, which when applied will allow printers to accent and simulate a wet, water droplet look. Depending upon mesh count and emulsion build, the printer can achieve a variety of different size 'droplets' or three dimensional (3D) effects. Incorporating our GP 13185 Overprint Clear with the Thixotropic Clear will reduce tack and mesh marks to produce a clean deposit. The most common ratio of Thixotropic Clear to Overprint Clear is 60:40 or 70:30.

Thixotropic Clear will also allow printers to produce a variety of color effects by adding small amounts of WR colors, metallic pigments, fluorescents, glitter, phosphorescent and pearlescent.

Substrate Application

Suitable adhesion on polystyrene, pressure sensitive vinyl, coated paper and board stock. Product will also adhere to most litho inks depending on wax or starch content.

Mesh

60 - 110 (24 - 43cm) plain weave mesh is recommended

Squeegee

70 or 80 durometer polyurethane blade

Curing

1 - 200 watt per inch (80w/cm) mercury vapor lamp minimum, with belt speed of 40 feet per minute (12 - 15m). Optimal lamp output is approximately 220 Mj, 680 watts/cm².

Emulsion

Capillary fat film, 90 Micron or better, direct emulsion may also be used, if a high build is desired, extra coats should be applied to the squeegee side of the screen, or dried first then additional coats applied to the substrate side of the screen

Coverage

500 - 800 square feet per gallon depending on mesh count

Storage

Care should be taken to store ink in tightly closed containers located in a cool (60-80°F/15-27°C) dark place. With suitable conditions, unopened ink is expected to have a shelf life of approximately twelve (12) months from date of manufacture, six (6) months for white inks.

Precautions

Read the safety data sheet prior to processing. It contains instructions for precautions to be taken when handling inks. If ink comes in contact with skin wipe off with a clean, dry cloth (do not use solvent). Wash and rinse the affected areas with soap and water

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C. A Pretest Prior to Production is Recommended to Ensure Proper Suitability for the Intended Application.