



QS-9000/ISO 9001 Registration #60047

TECHNICAL DATA SHEET

271

DATE September 15, 2004

PRODUCT MV0235 METEOR BASE

IMPROVED FEATURES

Creamy, short body for easy printing and stacking. Tack free formulation for fast shearing action. Produce dual effects by varying cure temperatures. Meteor Base allows the printer to produce the popular pyramid design as seen on the Rutland Market Maker called 3-D Pyramid

DESCRIPTION

Meteor Base is formulated as a press-ready plastisol for printing on cotton textile fabrics. This product is excellent for creating a hard rubber look or the feel of a hard crystal. Combine Meteor Base with an aggressive amount of off contact to create many different looks. Its mid-range viscosity allows it to print through a variety of film thickness, up to 1000 micron, to give the artist greater latitude and variance within the same design.

APPLICATION

Meteor Base when cured at 320° F. (160°C.) will give the feel of hard rubber or cured at 350° F. (177°C.) creates a very hard, similar to a crystal, look and feel. Combine this with creative art work to make a variety of designs.

Create many colors by adding up to 30% Color Boosters. Use the M2000 Software for thousands of formulas.

Call the Technical Service Hotline for more information.

Print Instructions

- Examine the flood bar and smooth edges if necessary. Adjust the flood bar as close to the screen as possible, to fill the mesh with ink. Transfer the ink to the garment with a light squeegee pass.

SPECIAL RECOMMENDATIONS

Wash test garment to insure you have good adhesion.

Plastisols are THERMOPLASTIC, requiring heat for proper curing. Wash for a minimum of 5 wash/dry cycles to test for cure.

Stir plastisols prior to printing.

Do not dry clean, use bleach, or iron the printed image.

Most plastisols available in 1, 5, 30, and 55 gallon containers.

Education and training seminars available at Rutland.

Any application not referenced in this technical data should be pretested or consultation sought with Rutland's Applications Lab prior to printing. Applications Lab Hot Line (704 553 0046) X151 or 152

TECHNICAL DATA

Wet Ink Tack - Low

After Flash Tack - Low

Printability - Excellent

Surface Appearance - Glossy

Opacity/Viscosity - Low / Medium

Bleed Resistance - N/A

Gel Point / Flash Time - 160°F. (71°C.) / decreases with deposit thickness

Fusion Temperature - 320° F. to 350°F. (160°C. to 177°C.)

Squeegee Hardness/ Blade/ Angle - Medium/ Sharp/ 45°

Squeegee Speed - Medium/ Fast

Underlay - Not required

Emulsion - Thick Film up to 1000 micron

Mesh Count - 86 - 200 mc. In. (34 - 93 mc. Cm.)

Thickener - M00004 Liquid Thickener

Thinner - N/A

Storage - 65°F to 95°F. (18°C. to 35°C.) Avoid direct sun

Cleanup - Non-hazardous screen washes

MSDS -

Color Range - Base (Add Color Boosters up to 30%)

Substrate Type - Cotton

Substrate Color(s) - Light, Medium, & dark fabrics.

Notes:

Three horizontal lines for notes.

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products. All products are sold and samples given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application.