



QS-9000/ISO 9001 Registration #60047

Technical Data Sheet:

207

Date:

Aug. 20, 2001

Product:

TC0190

FEATURES

TC0190 Top Coat Clear has a short body and very low wet tack for quick and easy printing. Fast shearing action means higher press speeds. Easy to use, no viscosity modifications necessary. Extreme high gloss.

DESCRIPTION

TC0190 is formulated as a press-ready plastisol for printing on 100% Cotton or poly/cotton. This product produces an extreme wet look when printed and cured properly.

APPLICATION

TC0190 requires stirring before printing. Print TC0190 directly onto substrates or over other colors. TC0190 is normally printed through mesh ranges from 86 - 110 mc./in. You may print through finer mesh to achieve fine details with less height. Recommend medium to hard squeegee for superior edge definition. For extreme high gloss, cure at higher temperature and longer times. **Note:** Avoid over printing colors formulated with the 4449 yellow used in Rutland mixing systems.

RECOMMENDED PRINTING TECHNIQUES

Manual Machine Printing

- Load ink into mesh opening with soft, sharp squeegee.
Only the image area should be filled with ink.
Transfer ink to the fabric surface with a light squeegee pass using just enough pressure to clear the mesh.

Automatic Machine Printing

- Examine the flood bar and smooth edges if necessary.
Adjust the flood to just transfer the ink from the front to the back of the screen.
Transfer ink to the fabric surface with a light squeegee pass using just enough pressure to clear the mesh.

SPECIAL RECOMMENDATIONS

Plastisols are THERMOPLASTIC, requiring heat for fusion. Test print area for crock fastness. Should color rub off on white cloth, adjust oven temperatures and/or dwell time until crock test passes (cloth wipes clean). Stir plastisols prior to printing. Do not dry clean. Do not use bleach. Do not iron image area.

TC0190 is available in 1-gallon pails, 5-gallon pails 30-gallon drums and 55-gallon drums.

Any application not referenced in this technical data should be pretested or consultation sought with Rutland's Applications Laboratory prior to printing.

TECHNICAL DATA

Wet Ink Tack - Medium

After Flash Tack - Medium

Printability - Great

Surface Appearance - High Gloss

Opacity/Viscosity - Clear/Medium

Bleed Resistance - None

Gel Point / Flash Time - 160°f. / decreases with deposit thickness

Fusion Temperature - 320° f.

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

Squeegee Speed - High

Underlay - N/A

Emulsion - Capillary Film, direct or indirect liquid emulsions

Mesh Count - 86 - 156 mc. In.

Extender - M00001 Viscosity Reducer @ 1%

Thickener - M00333 Thickener # 10 @ 1%

Storage - 65°F to 95°F. Avoid direct sun

Cleanup - Mineral Spirits, Varsol or some non-hazardous screen washes

MSDS - #7

Color Range - TC0190 Top Coat Clear

Substrate Type - Cotton or 50/50 Poly

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

Note:

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.

Technical Service Hotline: 800.438.5134. Ext 151 & 152

Technical Data Sheet