



QS-9000/ISO 9001 Registration #60047

Technical Data Sheet:

206

Date:

June 22, 2001

Product: Pitch Black

FX8030

FEATURES

Short body and very low wet tack for easy printing. Fast shearing action means higher press speeds. Easy to use, no viscosity modifications necessary. Prints through a wide range of screen mesh. Reduces fibrillation of prints after they are laundered. Has good color intensity.

DESCRIPTION

FX8030 Pitch Black is formulated as a press-ready plastisol for printing on 100% Cotton or poly/cotton to minimize fibrillation (frosting).

APPLICATION

Print FX8030 directly onto substrates. FX8030 is normally printed through mesh ranges from 86 - 200 mc./in. You may print through finer mesh for halftone printing. Recommend 70 - 80 Durometer squeegee for fine detail.

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.

FX8030 is available in 1-gallon, and 5-gallon pails, 30 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 - Low

After Flash Tack - low

Printability - Great

Surface Appearance - Medium Gloss

Opacity/Viscosity - High/Medium

Bleed Resistance - N/A

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

Fusion Temperature - 320° f.

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

Squeegee Speed - Medium to High

Underlay - N/A

Emulsion - Capillary Film

Mesh Count - 86 - 200 mc. In.

Extender - N/A

Thickener - N/A

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

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

MSDS -

Color Range - FX8030 Pitch Black

Substrate Type - Cotton or 50/50 Poly

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

Note:

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