

## FEATURES

- 3812\* Silk Base works as a soft base and can be mixed with other finished inks or color concentrates to achieve softer hand prints.
- Offers excellent penetration into fabrics when printing with fine mesh counts.
- Can be used as an extender base to finished inks to reduce costs and to reduce opacity.
- Can be used to increase color clarity.

\*Lead Compliant (Contains less than 90 ppm lead)

## Application & Storage Information

|                           |  |
|---------------------------|--|
| RECOMMENDED FABRICS       | 100% cotton and some light colored cotton/polyester blends and 100% polyester. Always test print fabric before beginning a production run.   |
| INK APPLICATION           | 3812 Silk Base can be added to 700 Series, Multipurpose, 1100 Series, 7400 Series, 7400 Color Concentrates, 7500 Series, 7600 Series and 800 Series inks for improved hand and printability. Mix with opaque colors to reduce cost, opacity and increase color clarity. 3812 is very clear and is recommended highly for extending any process color, especially the Pro-Brite™ Process Colors.  |
| SCREEN MESH AND EMULSION  | 160-230 t/in or 63-90 t/cm Monofilament<br>Any direct or indirect solvent resistant emulsion. Use 35 to 70 micron capillary film for best results.   |
| SQUEEGEE                  | 65-70 Durometer: Sharp Edge<br>60-90-60 or 70-90-70 Triple Durometer: Sharp Edge   |
| CURE TEMPERATURES         | 325°F (163°C) entire ink film. Fusion temperature may vary, depending into which inks 3812 Silk Base is mixed. Since plastisols do not air dry, they must be fused with an appropriate heat source in order to achieve durability. The optimum time/temperature cycle will vary with the amount of ink deposited, fabric and the type of heat source used. Test dryer temperatures and wash test printed product before and during a production run. |
| CLEAN-UP                  | Environmentally friendly plastisol screen wash or mineral spirits.   |
| PRODUCT PACKAGING         | 5 Gallon Pails, 30 or 50 Gallon Fiber Drums  |
| STORAGE OF INK CONTAINERS | Keep inks indoors and store in a cool area. Recommend storage at 65°F to 90°F (18°C to 32°C). Avoid storage in direct sunlight or under extreme temperature conditions.  |
| PRODUCT MSDS              | Refer to material safety data sheet 3812-MSDS8.  |

## SPOT FLASHING

This product will spot dry with a very low after flash tack in 2 to 8 seconds depending on the spot dryer used. In some cases, you may have to lower the heat of the spot cure unit because too much heat may actually make the ink tacky. When you spot dry, you are only partially fusing or gelling the surface of the ink. The ink should just be dry to the touch, with no lift off, but not totally fused. Totally fusing the underprint white may cause inter-coat adhesion problems with the inks printed on top of the white ink. Final fusing or curing should occur in the dryer.

## IMPORTANT INFORMATION

1. For a softer hand, add approximately 10% to 20%, by weight, of 3812 Silk Base. More may be added, if necessary, without affecting the cure or fusing of the mixed ink. The more Silk Base that is added, the less opaque the mixed ink will be.
2. For white or light fabrics use as a base and add 5% to 25% by weight of finished ink or color concentrate to create a very soft feel similar to a water base print. Printing through fine mesh counts can improve the feel of ink for a super soft effect.
3. 3812 Silk Base is not a low bleed plastisol and is not recommended for use on poly/cotton or 100% poly fabrics that may be prone to dye migration.

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