

technical datasheet

Mix-Opake (Mixo)

[Information from www.unioninks.com: September 2011]

Features

- Extremely opaque prints
- Fast, easy colour mixing
- Free colour formulation guide and colour formulation software

Application

- For black, coloured, or white fabric
- Whenever accurate, consistent colour matching is required
- Direct print or various transfer applications

General Information

Mix-Opake, plastisol ink is designed with the most advanced technology and made with the finest raw materials to provide the best printing opaque plastisol in the industry. With Union's Mix-Opake inks you can simulate almost any colour in the PANTONE® Gloss Colour Selector (Coated). The Mix-Opake inks are also an excellent choice for standard colours when colour matching is not required.

Mix-Opake prints easily by hand and also prints well on the fastest automatic presses. With MIXO plastisols, you won't have to slow your production with additional flash curing stations between colours or to clean excessive build-up under the screens.

Mix-Opake inks are balanced, ready-for-use plastisols and not concentrated pigments.

Opacity

Mix-Opake are super high opacity inks.

Stencils

Use any plastisol direct emulsion or capillary film.

Mesh

Mix-Opake inks will print through meshes ranging from 60-230 (24-90 metric) monofilament with excellent opacity. Colours mixed according to Mix-Opake System formulations are designed to reproduce specific colours with no white under print when printed through a 60 (24 metric) monofilament mesh on to black 100% cotton.

Alternately, the regular colours can be printed over a low-bleed underbase white such as Poly or Diamond white. Overprint Mix-Opake through 140-305 (55 - 120 metric) monofilament mesh.

Additives

Mix-Opake plastisol inks are supplied ready to print. Since plastisol inks "body up" as they sit in the container you should always stir the ink well to determine the actual printing viscosity before adding any reducer. Reducing the ink usually reduces the opacity. Never add mineral spirits to any plastisol ink.

If you are printing on dark fabrics, reducing Mix-Opake inks is not recommended as this will reduce the opacity of the finished print. If necessary, reduce with 5-10% of Curable Reducer (PLUS-9000).

If you are printing on white or light coloured fabrics you may add Extender Base or Soft-Hand Base in a ratio of up to three parts base to one part ink, however this will reduce the opacity of the ink.

If build-up on the back of the screen is a problem, add 1-2% Flow Control Additive (MIXO-9020).

Colour Mixing Instructions

The Mix-Opake Formulation Guide provides formulas for every Pantone "C" (coated) colour. Just combine the Mix-Opake component inks according to the corresponding formula in the Union Ink guide. Using an accurate scale and following the mixing weight ratios correctly will help ensure consistent, reproducible colours.

Blending Mix-Opake inks involves weighing the component colours according to the ratios printed in the Union Ink Mix-Opake Formulation Guide. These ratios are expressed in terms of the percentage by weight of the finished mixture. Mix-Opake inks can be easily stirred by hand or with any automated mixing method.

The unique chemical structure gives a short firm body when at rest, which breaks down and flows easily when mixed by hand or by the squeegee. This composition helps simplify the blending process.

Caution

Always pre-test.

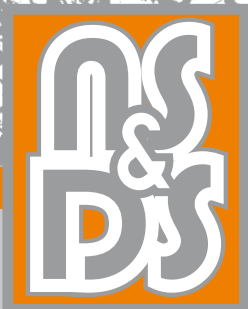
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Disclaimer: This product is manufactured under laboratory supervision from the finest raw materials and we feel will perform exactly as represented. Due to production parameters beyond our control, NSDS does not offer any warranty, expressed or implied, on the use of this product. It is the printer's responsibility to test inks and substrates prior to any production run for suitability in the end use environment.

Keep away from heat and open flame. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid prolonged breathing of vapour or spray mist. Keep container closed when not in use.



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