

# INK MATE AND UV MATE

***Unique ink compounds that offer many benefits to the ink maker and printer***



Because it reduces the surface tension of the ink, INK MATE acts as a release aid so that all the ink transfers from the blanket to the substrate. It will also save ink: printers can actually reduce the amount of ink applied, along with the fountain solution necessary to keep everything in balance. This process will help inks set and dry faster, and as a result, colors are stronger and printing is sharp.

Due to the release characteristics of INK MATE and its ability not to affect the ink body, inks will trap and blend better, producing a sharper dot.

## **Benefits**

INK MATE will help the ink formulator or press operator correct some of the following difficulties experienced during printing operations:

- Ink too heavy and tacky
- Difficulty in printing large solids
- Ink and paper mottle
- Paper picking
- Hickies on plate and blanket
- Slitter dust from stock which can build on plate and blanket
- Uneven color encountered while running metallic or other inks
- Cold morning start-ups

## **Packaging**

### **INK MATE**

Container 1.5 Lbs./68 g (15/case)

Container 6 Lbs./2.7 kg (6/case)

Pail 30 Lbs./13.6 kg

Drum 335 Lbs./152 kg

### **UV MATE**

Container 9 Lbs./4.08 kg (6/case)

Pail 40 Lbs./18 kg

Drum 420 Lbs./191 kg

## ***INK MATE and UV MATE are unique ink compounds that offer many benefits to the ink maker and printer***

### **Features**

1. INK MATE reduces the surface tension of most oleoresinous printing inks to the extent that all of the ink will release from the blanket (or from the letterpress printing plate) to the substrate, producing a sharp print with even color. Since all of the ink transfers, the end print is stronger in color. This scenario means the printer can reduce the amount of ink that would normally be carried and still be able to match the color swatches. Additionally, the printer can reduce the fountain solution to keep everything in balance and thus inks will tend to dry more quickly, improving ink mileage and helping reduce waste. The printing of large solids or even halftones is no longer a problem and the result is consistent color from the beginning of the run to its end.

2. Metallic inks are notorious for causing difficulties for the printer. Paper picking, poor drying and the shading of metallic colors from side-to-side or throughout the run are just some of the usual problems printers encounter. The secret behind reducing metallic ink problems lies in the ability of INK MATE to release all the metallic ink to the substrate. The result is a strong and rich metallic sheen that greatly adds to the brilliance of the print.

3. INK MATE will condition the ink to transfer better on poor paper substrates without altering the ink rheology (body). Other additives tend to break down the ink body and cause the ink to become soupy. Soupy inks cannot hold the pigments in suspension and thus they print poorly. INK MATE is a totally neutral paste compound that will not adversely affect even halftone colors. Usually .5 oz./15 g of INK MATE mixed thoroughly per pound of ink is all that is necessary to correct many of the ink- and paper-related problems.

4. Paper stocks are often delivered to printers with a good deal of slitter dust (paper particles left on the paper from cutting). This slitter dust sticks to the blanket, causing print imperfections commonly seen as void spots in the print area (printers commonly refer to these void spots as "donut holes" or "hickies"). One way for the printer to remove them is to stop the press and wash them off the plate or blanket. Sometimes a press operator may try to remove them while the press is still printing, a process that is very dangerous. The best and safest manner to remove these unsightly void spots is by adding INK MATE to the ink. Because of the release properties that INK MATE imparts to the printing ink, the slitter dust (or any other contaminant) will release off the blanket (or letterpress plate) with the ink.

5. There can be paper surface defects from the manufacturing process which will not accept ink properly without showing the defect. One example of this is paper (ink) mottle. INK MATE will help the ink to mask over the defect as if it did not exist.

6. INK MATE works in any oil-based ink, including conventional, rubber, acrylic, soy, screen, heatset, coldset and letterpress. INK MATE can be added to these inks and stored without harming the ink performance or its appearance.

### **UV MATE**

UV inks and coatings have a heavy, tacky consistency. UV MATE provides release properties to UV inks and coatings very much like INK MATE does for oil-based inks.

UV MATE is comparable in features to INK MATE but for use with UV inks. It is formulated to enhance the performance of UV inks, with the results being outstanding print quality and uniform colors without picking.

UV MATE will not swell UV blankets or rollers nor will it interfere with the UV curing process. It is for use in all UV inks including UV metallic inks, special colors and coatings.

Mix .5-1 oz./15-30 g of UV MATE thoroughly per 16 oz./454 g of ink to correct many ink- and paper-related problems.

### **Note the dramatic dot improvement obtained when using INK MATE in an offset ink**

*Without INK MATE or UV MATE*

*With INK MATE or UV MATE*

