



## Technical Bulletin

### *Flattening Pastes*

UV Curable Screenprinting Inks

The Flattening Pastes were developed to eliminate the need for messy, hard to work with flattening powders. These Pastes are very effective at lowering gloss levels of ultra violet curable inks. A satin finish can be achieved with the addition of up to 20% Flattening Paste.

These products are also useful as a non-blocking base. The flattening agents act as a slip agent thereby decreasing surface tack.

Excessive additions may weaken the color strength. If you desire a flatter finish than can be achieved with a 20% add, Polymeric will gladly match your color and desired gloss.

We also offer Satin Overprint Clears that can give you a gloss level of 2.0 when printed through a 355 plain weave mesh (140 cm). When working with satin inks it is important to note that gloss levels vary in traps. To achieve a consistent overall gloss level the best method is to overprint a satin clear.

<b>Compatibility:</b>	<b>Flattening Pastes are available for use with the following ink series:</b>  <b># 14741 Renegade GP      # 11355 Imagemark XR</b> <b># 14697 Ultrabond WR      # 14741 Duraflex DF</b>  For use in any other series please check with a Polymeric Technical Representative or use the #13492 Flattening Powder at 2-3% by weight.
<b>Mixing:</b>	Mix well prior to use. Add 5-20% by weight depending on the degree of matting required
<b>Mesh:</b>	305 to 355 PW (120-140 cm) recommended as finer mesh can filter the flattening particles causing remaining ink to thicken and gloss to vary
<b>Squeegee:</b>	Sharp 80 durometer polyurethane blade
<b>Cure Parameters:</b>	Please check appropriate series Product Data Sheet for cure recommendations.

*\*Please pretest this product to insure its suitability for the intended application.*

*Effective 11/30/01*

**More than a shade superior**

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