

## Wilflex Reducers, Thickeners, Extenders and Additives

Wilflex™ Reducers, Thickeners, Extenders and Additives are designed to enhance the Wilflex line of inks.

### Highlights

- ▶ Compliant with CPSIA (Consumer Product Safety Improvement Act) 2008
  - ▶ Section 101, Lead Content in Substrates (<300 ppm lead);
  - ▶ 16 CFR, Part 1303, Lead in Paint (<90 ppm lead).

### Reducers

#### 10025PFX Epic Viscosity Buster:

Additions of 1-3% by weight will de-tack and improve the flow properties of finished ink. Do not use more than 3% by weight. This product is very efficient in small amounts. Will not affect Bleed Resistance or opacity when used as directed.

#### 10070PFXCR Epic Curable Reducer:

Wilflex Epic Curable Reducer will lower the viscosity of Epic inks without adversely affecting cure properties. Additions up to 10% by weight to Epic products can be used to modify the flow and printing characteristics of Epic inks. Please see product information bulletin for Epic Curable Reducer for additional information.

### Thickeners

#### Epic Thickener 2:

White powder - An essential for High Density printing. Additions up to 8 oz. cup per gallon of ink are recommended to body and stiffen a finished ink. By increasing viscosity, the ink film will sit up on the substrate surface. Excessive amounts of Thickener 2 can cause build-up and accelerate the aging of the ink viscosity. A dust mask is recommended when handling Thickener 2. Must be mixed under high shear to prevent lumping. Be cautious to not overheat the ink.

#### Epic Thickener 3:

Pourable amber liquid - Additions of .5 - 1%. Ensure you weigh amounts precisely, as an over addition will dramatically reduce printability. After adding Thickener 3, stir thoroughly, but do not overheat the ink. You may not notice an immediate build after the first additions; however, refrain from adding more than 1% as the additive may take time to build viscosity. Wilflex recommends mixing only what you need to complete the job as any left over ink may become difficult to print after time.

### Extenders

#### 10150PFXFNS Epic Finesse:

For use with classic inks, this extender is designed to soften and extend. Additions of 10-20% by weight may be used to improve printability and soften hand. Additions greater than 20% may reduce opacity. Pre-test the product to ensure that the desired characteristics are presented before a production run.

### Miscellaneous Additives

#### 10180PFX Epic Emboss Additive:

Add up to 10% by weight to add light embossing texture.

#### 10840PFX Epic Soft Hand Additive:

Add up to 5% by weight to improve print performance and soften hand

#### FLASHADD EC Epic Flash Additive:

Add up to 10% by weight of this powder to lower the flash temperature. However, this product will alter the print characteristics of these inks and cause build-up when printing wet-on-wet.

#### 10108SA Stretch Additive:

For use with classic inks only. Add up to 30% to increase elongation. Will reduce bleed resistance and opacity in inks.

#### DullPaste QEC Dulling Paste:

Add up to 5% by weight to reduce gloss.