**ADDITIVES**

**500 LF QUICK-TRANS ADDITIVE**

Add 500LF* Quick-Trans to Multipurpose or 700 Series plastisol to convert those inks to hot split or hot peel transfer inks. The recommended ratios are: By volume, 1 part additive to 3 parts ink. By weight, 1 part additive to 4 parts ink. Thoroughly mix the additive into the ink. The addition of more additive than prescribed will increase the ease of transfer release after heat sealing. Excessive amounts of additive will reduce the opacity of the mixed ink. Shelf life of mixed ink is indefinite when stored in a cool area. For more detailed information on this product, see product bulletin 500LF Quick-Trans Additive.

**710LF SOFTHAND ADDITIVE**

Add 710LF to Multipurpose, 700 Series, and 1100 Series inks to soften the feel or hand of printed inks. The percentage needed to soften the ink will depend on the ink to be adjusted. High pigment (HP) inks usually need more 710LF than a standard or process ink. The recommended proportion of 710LF is 5% to a maximum of 40% by volume. This product can lower the bleed resistance and/or opacity of the ink being mixed.

Added in the above percentages, a mixture of 1 part 710LF to 4 parts 1110LF Curable Reducer, will result in a product that will reduce, soften, and de-tackify plastisol inks for wet on wet printing.

**1199LF STRETCH INK ADDITIVE**

1199LF can be easily mixed into Multipurpose, 700 Series, or 1100 Series plastisol to produce increased elongation of those inks for Lycra, Spandex and other stretch fabric applications. The recommended ratios are: By volume, 2 parts ink to 1 part additive. By weight, 3 parts ink to 1 part additive. For opaque inks, mixing by weight is highly recommended. 1199LF is not a low bleed product. Proper testing must be done for dye migration or bleeding. Adding the additive to a low bleed ink does not guarantee bleed resistance. Always test ink and fabric before any production run. For more detailed information on this product, see product bulletin 1199LF Stretch Additive.

**IMPORTANT INFORMATION**

All products listed have been tested with International Coating's inks. If these products are used with another manufacturer's products, proper testing must be done to insure the performance and and durability of the mixed ink.

*LF (Lead Free) Contains less than .025% Lead

---

**REDUCERS**

**1099LF CURABLE LO-BLEED REDUCER**

1099LF will lower the viscosity of opaque, standard opacity and low bleed inks without affecting the bleed resistance or fusing characteristics of the ink being mixed. This additive is especially formulatied to help maintain the opacity of high pigment (HP) inks when being reduced.

When adding reducers to opaque inks, use a minimal amount of reducer to help maintain opacity. The recommended proportion of 1099LF is 1% to 10% by volume.

**1110LF CURABLE REDUCER**

1110LF lowers the viscosity of plastisols without affecting the fusing characteristics of the ink being mixed. 1110LF is also a curable reducer, which means it fuses or cures by itself with the application of heat. A curable reducer means no risk of adding too much reducer other than a reduction in opacity and viscosity if over done. The recommended proportion of 1110LF is 5% to 25% by volume. This reducer should not be used in low bleed inks as it can lower the bleed resistance of those inks.

1110LF can help in reducing ink build-up on the back of successive screens when printing wet on wet. The amount of 1110LF needed to reduce build-up will depend on the ink being adjusted. Use 5% to 10%, by volume, 1110LF for opaque inks. Use 1% to 5%, by volume, 1110LF for standard opacity inks. The correct screen mesh, such as 160 to 230 monofilament, properly tensioned, will also help to reduce ink build-up.

**LBX VISCOSITY MODIFIER**

LBX is a liquid plasticizer used for reducing plastisol inks. The recommended proportion is 1% to 5% by volume. LBX is a non-curable reducer, which if used in excess, will cause fusing or curing problems. This reducer should not be used in low bleed inks as it will greatly lower the bleed resistance of those inks.

The use of a curable reducer is highly recommended for general use when adjusting the viscosity of plastisol inks.

**STORAGE OF INK ADDITIVES**

Keep indoors and store in a cool area. Storage recommended at 65°F to 90°F (18°C to 32°C). Avoid storage in direct sunlight or in extreme temperature conditions.

**PRODUCT MSDS**

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST.

---

Recommendations and statements made are based on International Coatings research and experience. Since International Coatings does not have any control over the conditions of use or storage of the product sold, International Coatings cannot guarantee the results obtained through use of its' products. All products are sold and samples given without any representation of warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application. REV83000