



Technical Bulletin

UltraBond BF Work Off Black

UV Curable Screenprinting Inks

Polymeric Imaging introduces a black toner system for working off U.V. excess and waste inks, to help shops minimize waste and disposal fees.

- Strong enough to handle up to 40% by weight of other U.V. inks while maintaining an opaque, jet black finish.
- Shows good cure and adhesion on various banner stocks including polyethylene and vinyl.
- The Work Off Black is water resistant after a 24 hour post cure on vinyl banner only. If water resistance is needed on polyethylene banner, the 11939 *Water Resistance Additive* needs to be added at 1% by weight.

APPLICATION:

Mixing:	The 12163 BF Work Off Black must be reduced up to 40% by weight with standard U.V. ink chemistries. <i>If final blend results in top cure, it may be necessary to incorporate 10% of 12023 BF Mixing Clear for improved through cure.</i>
Mesh:	355 to 390 PW recommended
Squeegee:	Sharp 80 durometer polyurethane blade
Cure Parameters:	1 - 200 watt per inch mercury vapor lamp minimum with belt speed of 60 to 70 fpm. (Approximately 130 to 150 Mj)

BLENDING SUGGESTIONS FOR BEST OVERALL JETNESS:

- Combinations of red and green totaling 40%.
- Combinations of red, blue, and yellow totaling 40%.
- Combinations of blue and violet totaling 40%.
- High concentrations of white (> 10% by weight wet ink) will cause gray appearance.

Because of the extreme opacity and numerous mixing possibilities with regards to color and chemistry, it is very important to pre-test by blending a small quantity to check for compatibility and adhesion prior to full scale production to ensure all final requirements are met. Please contact our technical representatives at (800) 746-5567 with any questions.

Effective 11/25/03

More than a shade superior