



Technical Bulletin

Barrier Whites

UV Curable Screenprinting Inks

The Barrier Whites were developed as highly pigmented, block-out whites. They are ideal for brightly colored substrates. They may also be used as block-out whites on top of our standard opaque line colors.

- **Unsurpassed levels of pigmentation provide maximum hiding coverage.**
- **Available in:**
 - Renegade GP # 13777**
 - Imagemark XR # 11372**
 - Ultrabond WR # 11963**
 - Duraflex DF # 3675**
 - Thermoform TF # 12259**

Mixing:	Ink is supplied at print-ready viscosity and can be used directly from the container. <i>Thinning is recommended only when printing on cylinder presses.</i>
Mesh:	355 (140 cm) plain weave mesh is best, higher mesh counts may be used however this diminishes the level of hiding coverage provided by the ink. Coarser fabrics will deposit a heavier ink film, thereby improving opacity and in return making cure more difficult. If you choose a coarser mesh please insure proper cure levels are attained.
Squeegee:	Sharp 70 - 80 durometer polyurethane blade
Cure Parameters:	1-300 watt per inch medium pressure mercury vapor lamp with Mj outputs of 260 to 325 Mjs. Recommended output may increase depending on stock and/or graphic overlay color.
Adhesion:	The cured ink film should have 95% adhesion to the stock after being cured the ink then will require a four (4) hour post cure for complete polymerization.
Belt Speed:	35-50 feet (18-20 meters) per minute depending on lamp efficiency and heat emission
Coverage:	3000 - 3200 square feet per gallon

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

Effective 11/30/01

More than a shade superior