



Technical Bulletin

Ultrabond WR

UV Curable Screenprinting Inks

UltraBond WR is distinct in its ability to offer non-blocking, flexibility needed for banner applications, while providing adhesion to nearly all point-of-purchase stocks. This provides screen printers with the opportunity to reduce ink inventory by stocking a single ink line. Custom colors can also be easily duplicated of various stocks.

Unlike other multipurpose inks, UltraBond's exceptional flexibility and adhesion stands up to the demand of the most stringent finishing requirements. UltraBond provides a durable, non-blocking surface and has excellent outdoor durability.

Printing:	Mix well prior to every use. Although UltraBond has been supplied in press ready condition, this system may be reduced up to 10% with UB Thinner for special viscosity adjustments.
Mesh:	UltraBond will cure well when printed through a 355 (140 cm) plain weave polyester mesh or finer.
Squeegee:	Sharp 80 durometer polyurethane blade
Cure Parameters:	A minimum of 125 - 160 mJs are required to cure standard UB colors on banner stocks. This optimal cure window is generally achieved with one, 200 watt per inch, mercury vapor lamp at belt speeds between 75 - 100 feet (20 - 30 meters) per minute. Heavier gauge stocks and dark colors, which may act as a heat sink, may require 200 mJs or more.
Outdoor Use:	<p>Extensive accelerated weathering tests have been completed on vinyl printed with UltraBond. The ink withstood 1,500 hours of exposure with 4 hour cycle times of UV light and condensation at elevated temperatures with minimal color change and marginal shrinkage.</p> <p>UltraBond colors have an outdoor durability of 1 - 3 years. An overprint clear is recommended for the longest durability as the ink may start to chalk after 1 year. Lightfastness will be dependant on the colors used as some pigments have greater outdoor durability than others.</p> <p>Outdoor durability will also depend on the material's expected life. Check with substrate supplier for outdoor durability.</p>

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

More than a shade superior

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