

Uvokett Ebony & Ivory

The perfect duo
for UV Letterpress



Uvokett Ebony & Ivory

- Historically we know that black is the No 1 shade in terms of usage
- Black is the most critical shade as all printers want excellent density with high curing speed
- That, hard to obtain with traditional black inks, is now possible with Uvokett Ebony™!
- One of the biggest problems for letterpress printers has always been the inability to print an Opaque white that has enough opacity
- Often failing when heavy film weight is applied.
- Uvokett Ivory™ cures superbly even at extremely high film weights and high press speeds.



Uvokett Ebony

unique product with superior properties:

- Extreme Density creates opportunity
 - Uvokett Ebony™ has the highest possible density at low film thickness (density of 3.2 at film weight 2 g/m². Makes it possible to produce more complex labels using only one print station, when before two units were needed to print -- e.g. text/solids in combination with vignettes and screens.
- Extreme Jetness reduces costs
- Extreme Cure Response improves productivity



Uvokett Ebony

unique product with superior properties:

- Extreme Density creates opportunity
- Extreme Jetness reduces costs
 - Thanks to the jetness of Uvokett Ebony™ it will not only reduce the ink consumption (same or higher density at lower ink thickness) - It will also save plate costs, since only one plate is needed for jobs combining text and vignettes or heavy solids with fine line barcodes.
- Extreme Cure Response improves productivity



Uvokett Ebony

unique product with superior properties:

- Extreme Density creates opportunity
- Extreme Jetness reduces costs
- Extreme Cure Response improves productivity
 - Previously black inks were the weakest link in the UV range. Presses had to run very slow on simple jobs, just because the slow cure speed. This was due to the heavy film-weight needed to create the desired density. With Uvokett Ebony™ you can run at density 2.7 at 80 m/min.



Uvokett Ivory

unique product with superior properties:

- Extreme Opacity creates opportunity
 - This will make it possible to create new designs in UV Letterpress previously only possible by using UV Screen or UV Flexo. Uvokett Ivory™ will not match the opacity or whiteness of screen. It can be printed at extreme high film thickness (up to 3.8 g/m²) and still cure. Even at high film thickness Ivory has extremely good solvent resistance.
- Extreme Whiteness
- Extreme Cure Response improves productivity



Uvokett Ivory

unique product with superior properties:

- Extreme Opacity creates opportunity
- Extreme Whiteness
 - Thanks to Ivory's raw materials and carefully selected pigment type it will exhibit crisp, clean white glossy and smooth prints even after exposure to sunlight. The photo-initiator is chosen especially for this purpose as white is a sensitive color, and Ivory exhibits superb whiteness with no discoloration, even after exposure to sunlight.
- Extreme Cure Response improves productivity



Uvokett Ivory

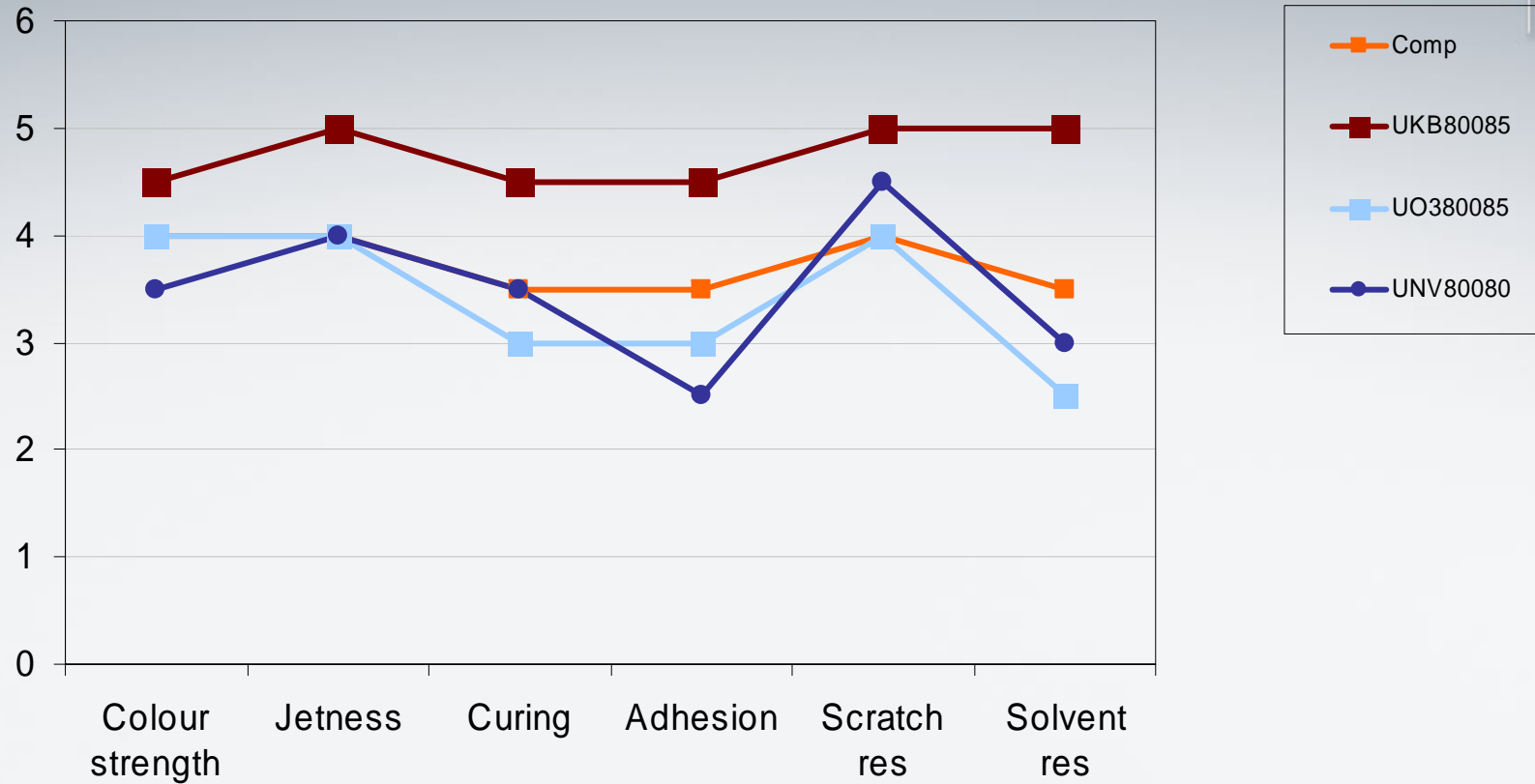
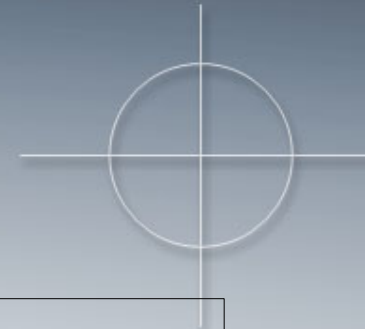
unique product with superior properties:

- Extreme Opacity creates opportunity
- Extreme Whiteness
- Extreme Cure Response improves productivity
 - Opaque white inks are well known to exhibit curing issues due to the tendency to reflect all UV light and to prevent it from reaching the photo-initiator. With Ivory™ selection of PI prevents this and results in very fast production speed, even at high film weight / high opacity.



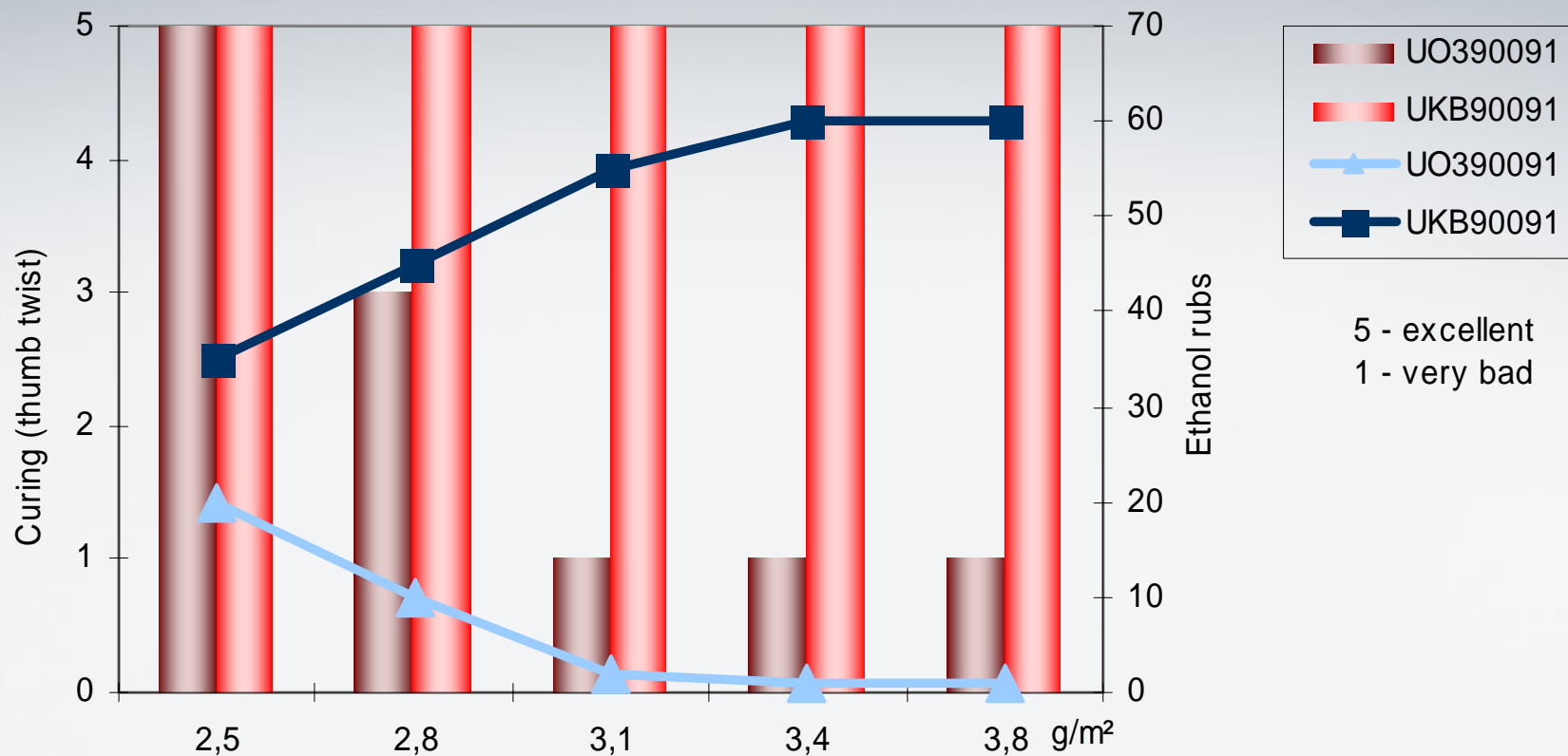
Uvokett Ebony

Extreme Density, Jetness, Curing



Uvokett Ivory

Extreme Opacity gives highest possible opacity with excellent curing in UV Letterpress



Uvokett Ebony & Ivory

Adhesion

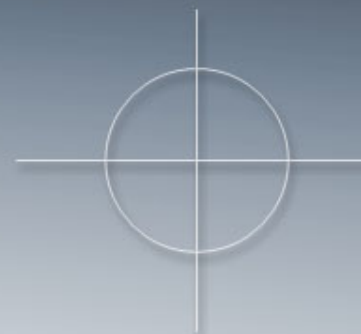


- To get optimal adhesion
 - Follow recommendations from substrate supplier
 - Surface tension needs to be above 38 dyne/cm
 - Use corona treatment if needed
 - Optimal condition for humidity is 40-60%
 - Bad adhesion can often be caused by bad curing, check the curing of the ink!

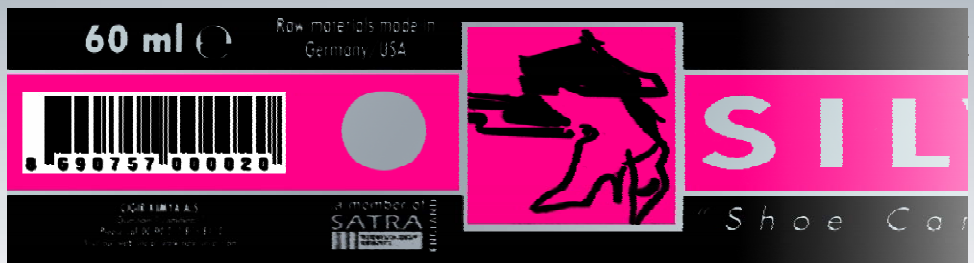
Material	Result
Cast coated paper	• • •
Machine coat paper	• • •
TC Thermal paper	-
UNC Thermal paper	-
PE	• • •
PE TC	• • •
PP	• •
PP TC	• •
PVC	• •
BOPP	• •
• • • Highly recommended • Can be used - Not recommended	



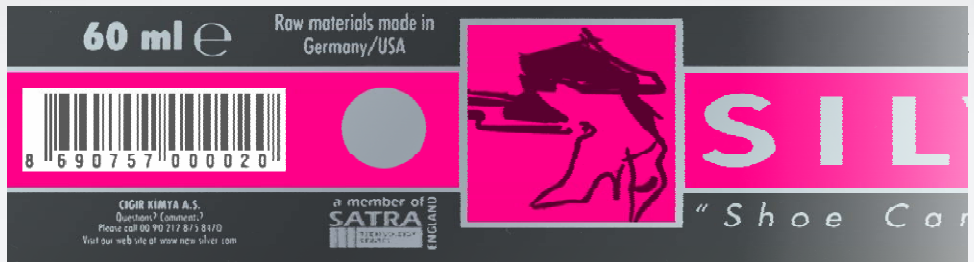
Uvokett Ebony & Ivory Comparison



Normal black with full blackness



Normal black with full detail



Ebony black with full detail and blackness

