



Color Shift / Ink Burnout

Color Shifting and ink burnout are problems that occur when printing with both aqueous and uv coatings. Factors such as ink pigment used, paper alkalinity and fountain solution can all contribute to this problem.

Pigments can cause an issue due to their lack of alkali and solvent resistance. Below are some of the pigments that should not be used when printing with aqueous and uv coatings.

Reflex – Alkali Blue
Redlake C
Warm Red
Rhodamine Red shade
Rhodamine Yellow shade
Rhodamine Blue shade
Methly Violet

Color shift and burn out cannot always been seen right off press but can sometimes takes weeks later to occur.

Alkali or fade resistance pigments such as Naphthol are recommended in inks which contain pigments which are sensitive. Reducing water pick up of inks can also help reduce burnout.

It is also recommended to test both aqueous and UV coating with the ink being used. It is also recommended to contact the ink supplier and inquire about the use of alkali resistant inks.