



RealColor® UV Inks

A Division of Sun Chemical

TECHNICAL INFORMATION

RealColor UV Web Offset Process Inks extend proven leading edge web UV curing technology to conventional coldset presses fitted with UV curing units. The rugged economical formulation approach offers value added capacity that allows quality commercial work on a variety of web substrates fully compatible with the demanding requirements of coldset production environments.

RealColor UV Web Offset Process News Colors and related Blacks are specially formulated to give excellent print quality on a wide variety of absorbent and non absorbent web substrates. The inks have good roller stability but exhibit excellent cure response for high speed web printing. With excellent lithographic properties and good adhesion after passage through a UV drier unit, RealColor UV Web Offset Process Colors, provide the ideal process partnership for a coldset plant looking to add significant value added to the plant's output.

Unique Features:

- Colors formulated for maximum cure rate and high roller stability
- High adhesion and scuff resistance feature
- Excellent trap and laydown
- Formulated for open fountain press configurations
- Balanced, clean, bold colors
- Clear, sharp half tones
- High body for higher temperature environments
- Low water up-take for fast clean-up and long run stability
- Full fountain solution support supplied by Rycoline technical team

Product Description:

Product Ref#	Description
US10-4497	RealColor UV Web Offset Process Cyan
US10-4498	RealColor UV Web Offset Process Magenta
US10-4499	RealColor UV Web Offset Process Yellow
US10-4496	RealColor UV Web Offset Black

Recommended Chemistries and Consumables Support:

US Ink RealColor UV Web Offset Process inks are compatible with a wide range of press consumables. The recommended Main Edition™ 51 one step fountain solution is fully supported by the Rycoline technical team to help printers optimize print efficiency. In addition, Rycoline offers a SUNCURE™ EC Low VOC Wash.

The US Ink technical support team recommends setting fountain solution pan temperature to 63 degrees F. Roller train temperatures should be held between 78-80 degrees F.

Storage Considerations:

Energy curing inks and coatings should be stored in closed containers and not exposed to sunlight. Avoid cross contamination to unknown particles and other printing inks and chemistries. Rotate stocks to ensure freshness of product. A six month shelf life is guaranteed.

All information on this data sheet is based on US Ink laboratory tests and experience in print shops. Procedures and directions for use of US Ink products [including printing and after-treatment] must be considered as recommendations only, with no warranties expressed or implied. The user of the products described herein is solely responsible for determining suitability of any US Ink product for the particular application. US Ink recommends that all products be pre-tested prior to full scale production use. This data sheet supersedes all previous publications. March 2011.