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W510 Series Water Based Flexo Inks have been formulated to meet the needs of SHRINK SLEEVE and LAMINATION applications.

With superb press stability, high run speeds, and excellent color strength this ink system is sure to meet the needs of today's flexographic printers.

W510 Series Water Based Flexo Inks perform well in both inline and offline lamination applications with various adhesive chemistries.

W510 Series Water Based Flexo Inks can also be used for "Reverse Print" Shrink Sleeves when combined with our high slip opaque white inks.

APPLICATION AND USE

Substrates

PVC and PET

Note: As with all film substrates, lots may vary and testing is recommended before use.

Anilox Rolls

For standard colors use an anilox with a cell volume of 3.0 bcm - 5.0 BCM.

For process colors use an anilox with a cell volume of 1.0 – 2.0 BCM.

Viscosity

On average 14-25 sec., #3 Zahn @ 77°F

pH Range

9.0 – 10.0

Plates

This ink Series is compatible with most water based flexo plates on the market.

Printing

This ink series is formulated to be press ready. Thoroughly mix the ink prior to printing. The pH and viscosity of the ink should be maintained during printing with the use of additives to adjust pH and viscosity. See the additive guide.

Clean Up

Use NWC10 EZ Cleaner

Storage

Store tightly covered at temperatures between 65°- 90°F (18°-32°C). Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

Ink Handling

Safety glasses and gloves are suggested in areas where product may be splashed. If product does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water. Consult the Ink Series Material Safety Data Sheet for further instructions and warnings.

Performance Verification

After press/job set up is complete, inspect a portion of the printed web for all applicable and specified properties. These properties include but are not limited to: cure, adhesion, mar and rub resistance, product resistance and gloss. These tests should be performed prior to beginning the full production run.

Fade Resistance

This ink series is designed for interior applications only. The colors designated with (FR) are formulated with pigments which have extended fade resistance.

PRODUCT OFFERING

Process Colors

Standard process colors are formulated to print using 1.0 - 2.0 BCM aniloxes.

Base Colors

Standard base colors are designed to be high strength, and formulated to print using anilox volume of 2.5 – 3.5 BCM. The colors can be mixed together to achieve an unlimited number of strong vibrant colors.

Packaging Per Container

Opaque White	11 lb, 50 lb
Base Transparent White	8 lb, 40 lb
Other Colors	9 lb, 45 lb
Overprint Varnish	8 lb, 40 lb

Item No.	Standard Colors	BW
W510309	Base Black	8
W510010	Transparent White	-
W510311	Base Yellow	5
W510312	Base Orange	6
W510313	Base Warm Red	5
W510314	Base Rubine Red	4
W510315	Base Rhodamine Red	3
W510316	Base Purple	3
W510317	Base Violet	4
W510318	Base Reflex Blue	4
W510319	FR Process Blue	8
W510320	FR Green	8
W510379	Dense Black	8

Item No.	Fade Resistant Colors	BW
W510321	FR Yellow	6
W510322	FR Orange	6
W510323	FR Warm Red	6
W510324	FR Rubine Red	6
W510325	FR Rhodamine Red	8
W510326	FR Purple	8
W510327	FR Violet	8
W510328	FR Reflex Blue	8

Item No.	Process Colors	BW
W510041	Process Yellow	5
W510042	Process Magenta	4
W510051	FR Process Yellow	7
W510052	FR Process Magenta	5
W510053	FR Process Cyan	8
W510054	FR Process Black	8
W510061	Process Yellow	5
W510062	Process Magenta	4
W510063	FR Process Cyan	6
W510064	FR Process Black	6
W510090	Process Extender	-

Item No.	Opaque Whites
60050954W5	WB Opaque White Low slip.
60051724W5	WB Opaque White II High slip.
60018945W5	Shrink OP White
NW16124	TNV Opaque White No Slip, use for inline/offline lamination

Item No.	Additives
CARE73	Stabilizer
CARE74	PH Adjuster
CARE75	Defoamer
RE198	Slow Reducer
CARE95	Slip Additive

Item No.	Cleaner
NWC10	EZ Cleaner

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use.

Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

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