

## Application Fields

The **MIDACURE (MDUV)** series are UV Offset Inks especially designed for sheet-fed lithography offset printing for metal substrates such as tin-plate, TFS and aluminum to allow for enhanced adhesion and abrasion resistant.

## SPECIFICATIONS

- Solid Content %100
- Viscosity 300-200 (poise@25°C)
- Tack 14-20 (800 rpm@25°C)
- Finesse <5NPIRI
- Power Required 120 w/cm

## PRODUCT KEY FEATURES

- High curing speed
- Over printable
- High Gloss
- High color strength
- Better trapping
- Excellent sterilization fastness properties
- Excellent adhesion, abrasion, and scratch resistance
- Low mist at higher press speed

## RECOMMENDED SUBSTRATES

Metal substrates with minimum surface tension (42-45 Dyn/cm)

- TFS (electrolytic chromium coated steel)
- Pre-treated or enamel coated tin-plate
- Aluminum, Aluminum foil

## Additives

- MDUV-001: UV thinner to reduce viscosity (Recommended addition 2%-5%)
- MDUV-002: Curing aid to increase drying speed (Recommended addition 2%-5%)
- MDUV-003: Adhesion Promoter (Recommended addition 1%-5%)
- MDUV-051: Transparent ink used as an extender to be added as per printer's requirement

## RANGE OF COLORS

Available in a full range of standard and specialty colours.

COLORS	CODE	LIGHT FASTNESS
Process Magenta	MDUV-100	4-5
Process Magenta	MDUV-100H*	7
Warm red	MDUV-101	4-5
Rubine Red	MDUV-102	5-6
Orange	MDUV-200	4-5
Process Yellow	MDUV-300	4-5
Process Yellow	MDUV-300H**	7
Yellow	MDUV-301	5-6
Green	MDUV-400	8
Process Cyan	MDUV-500	8
Process Blue	MDUV-501	8
Reflex Blue	MDUV-600	3-4
Violet	MDUV-700	4-5
Purple	MDUV-750	4-5
Rhodamine	MDUV-775	3-4
Process Black	MDUV-800	8
Opaque Black	MDUV-801	8
Opaque White	MDUV-900	N/A
Red 032	MDUV-032	4-5
Blue 072	MDUV-072	3-4
Transparent White	MDUV-051	N/A

\*:Blue Wool Scale Range 1 through 8, where 8 is the best Light fastness value

\*\*H: high light fastness

## Storage

- The product should be kept away from heat source and direct sunlight to avoid any unwanted polymerization.
- The storage life under normal condition is nine months.

Note: BENZOPHENONE FREE version is available upon request