

UV DRY OFFSET INKS

Midacure® DOUV Series



Application Fields

The **MIDACURE (DOUV)** series are UV Dry Offset Inks especially formulated to meet the new trends occurring in the offset printing market for printing on soft squeeze tube, and plastic containers.

SPECIFICATIONS

- Solid Content 100%
- Viscosity 250-350 (poise@25°C)
- Tack 14-25 (800irpm@25°C)
- Finesse <5NPIRI
- Power Required 120 w/cm

PRODUCT KEY FEATURES

- High productivity
- Low odor
- High Gloss
- High color strength
- Excellent adhesion, abrasion, and scratch resistance
- High printing performance

RECOMMENDED SUBSTRATES

Nonabsorbent pre-treated substrates with surface tension (45 – 38) Dyn/cm, Including:

- Polystyrene (PS)
- Polypropylene (PP, BOPP)
- Polyethylene (PE)
- Polyethylene Terephthalate (PET)
- Polyvinyl chloride (PVC)
- Polycarbonate (PC)

Additives

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

Note: BENZOPHENONE FREE version is available upon request

MDS-MDUDO/05 1/1/2025

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RANGE OF COLORS

Available in a full range of standard and specialty colours.

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

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