

Midacure® 42524 Series

Uv Offset Inks

Application Fields

The **Midacure® 42524 Series** UV Offset Inks are specifically formulated for sheet-fed lithographic offset printing on metal substrates, including tinplate, Tin-Free Steel (TFS), and aluminum.

These inks are designed to deliver excellent adhesion to metal surfaces along with superior abrasion resistance, ensuring durable performance in metal decoration applications.

The series is supplied at 100% solid content, containing no volatile components, and is optimized for efficient UV curing performance. The inks exhibit a tack range of 14–20 (measured at 800 rpm at 25°C), providing stable transfer characteristics and consistent print quality during high-speed production.

Features

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

Substrates

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

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

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Available in a full range of standard and specialty colours.

PROCESS INKS

Description	Product Code	**Blue Wool Fade	*Viscosity (sec)
Process Magenta	MDUV-100/4252401	4	260
Process Magenta	MDUV-100H/4252414	-	300
Warm red	MDUV-101/4252415	4	300
Rubine Red	MDUV-102/	-	
Orange	MDUV-200/4252402	4	240
Process Yellow	MDUV-300/4252403	4	240
Green	MDUV-400/4252404	8	240
Process Cyan	MDUV-500/4252405	8	270
Reflex Blue	MDUV-600/4252406	7	230
Violet	MDUV-700/4252407	3	230
Purple	MDUV-775/4252409	7	240
Rhodamine	MDUV-750/4252408	7	240
Process Black	MDUV-800/4252410	8	270
Opaque White	MDUV-900/4252411	N/A	350
Red 032	MDUV-032/42528001	4-5	250
Blue 072	MDUV-072/42528010	7	230
Silver	MDUV-975/4252413	-	230
Gold	MDUV-950/4252412	-	250

*Viscosity (sec) by Laray viscometer @ 25° C

**Blue Wool Fade range 1 through 8 where 8 is the best light fastness value

