



EXCURE 60000

CHARACTERISTIC

The inks of Excure 60000 series are especially developed for waterless printing plates. These inks are designed for printing paper and plastic substrates within a specific operating temperature range (23°C - 27°C).

PROPERTIES

- ☞ Good adhesion
- ☞ Can be overprinted or laminated, but pre-test is always recommended
- ☞ Good 'post-curing' rate
- ☞ Excellent ink transfer on rollers and onto substrates
- ☞ No VOC's
- ☞ Lower dot gain
- ☞ Higher ink density
- ☞ Intense bright colours

APPLICATION AREA

- Dry offset (Toray)

UV CURING SPEED (with 3 lamps of 120 W/cm)

- ➔ 200 m/min or 6000 sheets/hour

(the reactivity is also influenced by the substrate, the condition of the lamps, the condition and adjustment of the reflectors, the thickness of the ink layer, colour, etc.)

SUITABLE SUBSTRATES (min. surface tension 38 dynes/cm)

- ☞ All kinds of paper and board, also high gloss synthetic paper
- ☞ Hard and soft vinyls (Corona treated)
- ☞ Coated metals
- ☞ Pre-treated plastic films (polyester, acetate, PVC, PS, PE, PP,....)

AVAILABLE COLOUR SHADES

- ☞ Process colours
- ☞ Mixing system
- ☞ Opaque white

REFERENCES EXCURE 60000

		IWS	Alcohol	Nitro	Alkali
<u>Process colours</u>					
Yellow	EXC60001	5	+	+	+
Magenta	EXC60002	5	+	+	-
Cyan	EXC60003	8	+	+	+
Black	EXC60004	8	+	+	+
<u>Mixing system</u>					
Mixing white	EXC60900				
Opaque white	EXC60901				
Transparent white	EXC60902				
Lemon yellow	EXC60910	5	+	-	+
Lemon yellow fast	EXC60911	6	+	+	+
Yellow	EXC60912	5	+	+	+
Yellow fast 6	EXC60913	6	+	+	+
Yellow IWS 7	EXC60914	7	+	-	+
Warm yellow	EXC60916	5	+	+	+
Orange	EXC60920	5	+	+	+
Orange fast	EXC60921	7	+	+	+
Warm red	EXC60930	3	+	+	-
Warm red fast	EXC60931	7	+	+	+
Red 032	EXC60932	5	+	-	+
Red 032 IWS 7	EXC60933	7	-	-	+
Rubine red	EXC60940	5	+	+	-
Rubine red fast 6	EXC60941	6	+	+	+
Rubine red fast 7	EXC60942	7	+	+	+
Rhodamine red	EXC60950	3	-	-	-
Rhodamine red fast 7	EXC60951	7	+	+	+
Purple*	EXC60952	3	-	-	-
Purple fast*	EXC60953	7	+	+	+
Violet	EXC60960	3	-	-	-
Violet fast	EXC60961	7	+	+	+
Reflex blue	EXC60962	4	-	-	-
Reflex blue fast*	EXC60963	7	+	+	+
Blue 072	EXC60964	3	-	-	-
Blue 072 fast*	EXC60965	7	+	+	+
Cyan	EXC60970	8	+	+	+
Green	EXC60980	8	+	+	+
Black	EXC60990	8	+	+	+

* these inks should not be used for mixings, as they are already built up out of other base inks

REMARKS

- ★ *To improve the scuff resistance of non-laminated surfaces, UV-overprint varnishing is recommended.*
- ★ *When laminated afterwards, take care to use the correct fast inks.*
- ★ *Negative plate can be used without additional process.*
- ★ *Positive plates should be baked.*
- ★ *Temperature control of plate surface is essential for good printing (cold air to plate surface, chilled water through rollers).*
- ★ *As curing and levelling of transferred inks is inferior to the standard inks, capacity of UV irradiation of UV dryer should be higher.*
- ★ *Shelf life: the Excure 60000 series has a 12-month shelf life guarantee. This guarantee covers 12 months from the date of manufacture (which is mentioned on the label). In order to give this guarantee, certain recommendations must be followed: the Excure 60000 series should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room.*

PACKAGING

- 1 kg tins
packed in card board boxes of 10 or 20 kg
packed in palbox of 140 kg
palletbox of 225 kg
palletboxx of 360 kg
- 3 kg tins
packed in card board boxes of 12 or 24 kg
packed in palbox of 180 kg
palletbox of 270 kg
palletboxx of 504 kg

ADDITIVES

- | | | | |
|---|----------------------|-------------------------|----------|
| ◆ | Wash-up solution | for manual washing | EXC10810 |
| | | for automatic washing | EXC10800 |
| | | labelling and reg. free | EXC10820 |
| ◆ | Antitack paste | | EXC10001 |
| ◆ | Anti-toning additive | | EXC10021 |
| ◆ | Photoinitiator | paste | EXC10708 |
| | | liquid | EXC10704 |
| ◆ | Thinner | | EXC10705 |

PRODUCT SAFETY

*This varnish (or these inks) is (are) **NOT** suitable for **FOOD applications** unless a proper risk assessment proves that its use is safe (e.g. if the process rules out the possibility of set-off in the reel or stack AND if the design of the final printed article ensures reliable functional barrier properties to migration). For further information please contact our local sales team or www.toyoink.eu.*