



EXCURE FLUO

CHARACTERISTIC

Bright and clean fluorescent inks are available in Excure series 20000, 40000, 50000 and 70000.
Invisible fluorescent inks are available in Excure series 20000, 40000, 50000, 60000 and 70000.

PROPERTIES

☞ Bright and clean fluorescent effect



APPLICATION AREA

- Letterpress
- Wet offset
- Flexo

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

➔ 350 m/min or 10.000 sheets per 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 coated and uncoated paper
 -  Certain flexible substrates
- Preliminary adhesion tests are recommended*

REFERENCES

VISIBLE FLUORESCENT INKS

	EXCURE 20000	EXCURE 40000	EXCURE 50000	EXCURE 70000
Lemon yellow	EXC20800	EXC40800	EXC50800	EXC70800
Blue Pantone 801	EXC20801	EXC40801	EXC50801	EXC70801
Green Pantone 802	EXC20802	EXC40802	EXC50802	EXC70802
Yellow Pantone 803	EXC20803	EXC40803	EXC50803	EXC70803
Orange Pantone 804	EXC20804	EXC40804	EXC50804	EXC70804
Red Pantone 805	EXC20805	EXC40805	EXC50805	EXC70805
Pink Pantone 806	EXC20806	EXC40806	EXC50806	EXC70806
Purple Pantone 807	EXC20807	EXC40807	EXC50807	EXC70807

INVISIBLE FLUORESCENT INKS

	<u>EXC20000</u>	<u>EXC40000</u>	<u>EXC50000</u>	<u>EXC70000</u>
Blue fluorescence	EXC27010	EXC47010	EXC57010 (*)	EXC77010
Yellow fluorescence	EXC27014	EXC47014	EXC57014	EXC77014
Red fluorescence	EXC27013	EXC47013	EXC57013	EXC77013
I.R. green reactive		EXC47836		

(*) available for EB applications (EXC57010EB) and also available formulated without benzophenone (EXC57338)

INVISIBLE FLUORESCENT WATERLESS INKS

	<u>EXC60000</u>
Blue fluorescence	EXC67010
Yellow fluorescence	EXC67014
Red fluorescence	EXC67013

INVISIBLE FLUORESCENT EB FLEXO INKS

	<u>EXC50000</u>
Blue fluorescence	EXC57010EB
Yellow fluorescence	EXC57014EB
Red fluorescence	EXC57013EB

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
- 5 kg pails for the UV flexo inks

ADDITIVES

◆ Fountain additive	pH 5	EXC10900
	pH 4.8	EXC10910
◆ Wash-up solution	for manual washing	EXC10810
	for automatic washing	EXC10800
	labelling and reg. free	EXC10820
◆ Antitack paste*		EXC10001
◆ Photoinitiator	paste	EXC10708
	liquid*	EXC10704
◆ Thinner		EXC10705

* Ask for advice in case of food packaging.

REMARKS

- ★ *When printing in wet offset, avoid the use of isopropanol.*
- ★ *When a tracer effect is required in UV varnishes, one can add up to 10% of the invisible fluorescent inks in the UV varnish.*
- ★ *Fluorescent inks are generally fast curing, therefore lamp energy could eventually be reduced to get more strength.*
- ★ *Shelf life: the UV fluo inks have 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: UV inks should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight. If possible, store the ink in a dark room.*
- ★ *Light fastness of the fluorescent inks is low and depends on the layer thickness of the ink.*

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.*