



# EXCURE DRY OFFSET VARNISHES

## CHARACTERISTIC

*These Excure varnishes are radical UV varnishes for dry offset.*

## PROPERTIES

- ☞ *All these varnishes can be applied wet-on-dry on conventional inks and wet-on-wet or wet-on-dry on Excure UV inks*
- ☞ *The surface tension of the cured film with non-gluable UV varnish is typically < 34 mN/m*
- ☞ *The surface tension of the cured film with gluable UV varnish is typically ± 38 mN/m*
- ☞ *These Excure varnishes are formulated with low toxicity ingredients*
- ☞ *Low in wet odour and very low odour in the cured print*
- ☞ *These Excure varnishes have very good clarity*
- ☞ *These Excure varnishes are available press ready at optimal viscosity*
- ☞ *These Excure varnishes can be used with normal letterpress plates*
- ☞ *Optimal resistance properties will be obtained 24 hours after printing*

Article	Laray (21°C) Poise	Cure	Slip	Gloss	Rub / scuff	Property
<b><u>For paper</u></b>						
EXC90100	15 – 25	Medium/ Fast	Medium	Medium/ High	Medium	Standard
EXC90101	20 – 30	Medium/ Fast	Low	Medium/ High	Medium	Primer / gluable
EXC90103	50 – 60	Fast	Medium	Matt	Medium	Matt
EXC90124	15 – 25	Fast	Medium	Matt	Medium	Matt
<b><u>For film &amp; foil</u></b>						
EXC90102	35 – 45	Fast	High	Medium	High	Release prop.
EXC90113	40 – 50	Fast	High	Medium/high	Medium/high	Benzophenone free, release prop.
EXC90151	80 – 120	Medium	Low	Medium	Medium	Primer / gluable

## TYPES

- Radical chemistry




## APPLICATION AREA

- Dry offset

## REMARKS

- ★ Both EPDM and nitril rollers are suitable when using our Excure dry offset varnishes.
- ★ Shelf life: all UV varnishes 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 varnishes should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight. If possible, store the varnish in a dark room.
- ★ Stir well before use.

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

-  All kinds of paper and board
-  Certain corona treated PE-films
-  Other substrates: to be tested

## PACKAGING

- 1 kg and 3 kg tins
- 10 kg pails
- 200 kg barrels

## ADDITIVES

- |                    |                         |          |
|--------------------|-------------------------|----------|
| ◆ Wash up solution | for manual washing      | EXC10810 |
|                    | for automatic washing   | EXC10800 |
|                    | labelling and reg. free | EXC10820 |
| ◆ Photoinitiator   |                         | EXC10708 |
| ◆ Levelling agent  | for non-gluable varnish | EXC10003 |
|                    | for gluable varnish     | EXC10030 |
| ◆ Thinner          |                         | EXC10705 |
| ◆ Slip agent       |                         | EXC10005 |

## 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.toyoinkarets.com](http://www.toyoinkarets.com).