



# EXCURE SCREEN VARNISHES

## CHARACTERISTIC

The Excure screen varnishes are radical UV varnishes for screen printing.

## 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  $\pm 38$  mN/m
- ☞ The Excure screen varnishes are formulated with low toxic ingredients
- ☞ Low in wet odour and very low odour in the cured print
- ☞ The Excure screen varnishes have very good clarity
- ☞ The Excure screen varnishes are available press ready at optimal viscosity
- ☞ Optimal resistance properties will be obtained 24 hours after printing

Article	Viscosity (sec) 21°C/DIN 4mm	Cure	Slip	Gloss	Rub / scuff	Property
EXC90302	160 – 220	Medium	Low	High	Medium	Gluable
EXC90307	35 – 45	High	High	High	Medium/high	Standard
EXC90312	65 – 85**	High	Medium	Medium/high	Medium	Braille varnish
EXC90313	5 – 15 Poise*	High	Low	High	Medium	Structure varnish
EXC90321	55 – 75**	Medium	Very low	High	Medium	Anti-slip
EXC90325	100 – 140	High	High	High	Medium/high	High viscosity
EXC90330	100 – 150	Medium	Medium	Matt	Medium	Matt, good adhesion
EXC90334	10 – 20 Poises*	Medium	Medium	High	High	Good adhesion
EXC90343	10 – 20 Poises*	Medium	Medium	High	Medium	Anti-blocking, good adhesion
EXC90353	50 – 70	High	High	High	Medium/high	Medium viscosity
EXC90369	45 – 75	High	High	High	Medium/high	For perfecting
EXC90375	60 – 80	Medium	Low	Matt	Medium	Matt / gluable
EXC90380	40 – 50 Poises*	High	Low	High	Medium	Braille varnish
EXC90395	45 – 55	High	High	Medium/high	High	Anti-blocking

(\*) Viscosity tester Spindle 1

(\*\*) DIN 6mm

## TYPES

- Radical chemistry

## APPLICATION AREA

- Rotation screen printing / flat bed screen printing

## REMARKS

- ★ 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

- 5 kg cans
- 10 kg jerry cans
- 25 kg jerry cans
- 200 kg barrels
- 600 kg containers
- 1000 kg containers

## ADDITIVES

- |                             |                         |          |
|-----------------------------|-------------------------|----------|
| ◆ Wash up solution          | for manual washing      | EXC10810 |
|                             | for automatic washing   | EXC10800 |
|                             | labelling and reg. free | EXC10820 |
| ◆ Photoinitiator            |                         | EXC10708 |
| ◆ Levelling agent           |                         | EXC10003 |
| ◆ Thinner                   |                         | EXC10012 |
| ◆ Slip agent                |                         | EXC10005 |
| ◆ Anti penetration additive |                         | EXC10013 |

## 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](http://www.toyoink.eu).