



# UV WET OFFSET VARNISHES

## LOW ODOUR

### CHARACTERISTIC

*These UV varnishes are radical UV varnishes, formulated without benzophenone, with very low odour properties.*

### PROPERTIES

- ☞ *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 is typically < 34 mN/m for non gluable varnishes and ± 38 mN/m for gluable varnishes.*
- ☞ *These varnishes are formulated with very low toxicity ingredients*
- ☞ *Low in wet odour and very low odour in the cured print*
- ☞ *These varnishes have very good clarity*
- ☞ *These varnishes are press ready at optimal viscosity*
- ☞ *These varnishes are available press ready at optimal viscosity*
- ☞ *Optimal resistance properties will be obtained 24 hours after printing*

Article	Viscosity Laray (21°C) Poise	Cure	Slip	Gloss	Rub / scuff	Property
EXC90208	200 – 300	Fast	High	Matt	High	Matt / For paper
EXC90251	300 – 500	Medium	Low	Medium	Medium	Primer / For film & foil
EXC90253	270 – 370	Medium/Fast	Low	Matt	Medium	Matt primer / For film & foil

### TYPES

- *Radical chemistry*

### APPLICATION AREA

- Wet offset*

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

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

## REMARKS

- ★ Both EPDM and nitril rubber rollers are suitable when using these 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.

## PACKAGING

- 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		EXC10705
◆ 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).