



Technische Steekkaart  
Fiche Technique  
Technisches Merkblatt  
Technical Data Sheet

# EXCURE WET OFFSET VARNISHES

## CHARACTERISTIC

*These Excure varnishes are radical UV varnishes for wet 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*
- ☞ *Optimal resistance properties will be obtained 24 hours after printing*

Article	Viscosity 21°C Poise	Cure	Slip	Gloss	Rub / scuff	Property
<b><u>For paper</u></b>						
EXC90200	120 – 180	Medium	Medium	Medium	Medium	Standard
EXC90201	130 – 190	Medium/Fast	Low	Medium	Medium	Primer
EXC90203	200 – 270	Medium/Fast	Low	Matt	Medium	Matt, Gluable
EXC90204	50 - 70	Medium/Fast	Medium	High	Medium	Low viscosity, Gluable
EXC90208	200 – 250	Fast	High	Matt	High	Matt
<b><u>For film &amp; foil</u></b>						
EXC90251	220 – 270	Medium	Low	Medium	Medium	Primer
EXC90252	80 – 100	Fast	Medium	Medium/High	Medium	Standard
EXC90253	220 – 270	Medium/Fast	Low	Matt	Medium	Matt primer
EXC90254	220 – 280	Medium/Fast	Medium/High	Matt	Medium	Matt

## TYPES

- Radical chemistry




## APPLICATION AREA

- Wet offset

## REMARKS

- ★ Both EPDM and nitril rollers are suitable when using our Excure wet 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

- 3 kg tins
- 10 kg pails

## 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 |

## 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).