



# EXC90603

## CHARACTERISTIC

The EXC90603 is a radical UV varnish, with high slip and good chemical and water resistance after correct curing.

## PROPERTIES

- ☞ The EXC90603 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
- ☞ The EXC90603 is formulated with low toxicity ingredients
- ☞ The EXC90603 has very good clarity
- ☞ This varnish is press ready at optimal viscosity
- ☞ The EXC90603 can be used with normal flexo and letterpress plates
- ☞ Optimal resistance properties will be obtained 24 hours after printing
- ☞ Has high slip and good rub resistance
- ☞ Correct curing results in good chemical and water resistance

Article	Viscosity 21°C/DIN 4 mm	Cure	Slip	Gloss	Rub / scuff	Property
EXC90603	65 – 85 sec	High	Very high	High	Medium	Chemical resistance

## TYPES

- Radical chemistry

## APPLICATION AREA

- Varnishing machines / coaters

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

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

## 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.*
- ★ *Can be used as in 2 component system with EXC10011 as hardener.*
- ★ *Stir well before use.*

## PACKAGING

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

## ADDITIVES

- |                                  |                         |          |
|----------------------------------|-------------------------|----------|
| ◆ Wash up solution               | for manual washing      | EXC10810 |
|                                  | for automatic washing   | EXC10800 |
|                                  | labelling and reg. free | EXC10820 |
| ◆ Photoinitiator                 |                         | EXC10004 |
| ◆ Levelling agent                |                         | EXC10003 |
| ◆ Thinner                        |                         | EXC10705 |
| ◆ Slip agent                     |                         | EXC10005 |
| ◆ Anti penetration additive      |                         | EXC10013 |
| ◆ Surface tension pen (38 dynes) |                         | 602038   |

## 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).*