



Technische Steekkaart
 Fiche Technique
 Technisches Merkblatt
 Technical Data Sheet

EXC90072

CHARACTERISTIC

EXC90072 is a gluable radical UV varnish for foil printing, with perfect adhesion on various substrates.

PROPERTIES

- ☞ *EXC90072 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 EXC90072 varnish is typically +/- 38 mN/m*
- ☞ *EXC90072 is formulated with low toxic ingredients*
- ☞ *Low in wet odour and very low odour in the cured print*
- ☞ *EXC90072 has very good clarity*
- ☞ *EXC90072 is available press ready at optimal viscosity*
- ☞ *EXC90072 can be used with normal flexo and letterpress plates*
- ☞ *Optimal resistance properties will be obtained 24 hours after printing*

| Article | Viscosity 21°C/DIN 4mm | Cure | Slip | Gloss | Property |
|----------------|-----------------------------------|-------------|-------------|--------------|----------------------------------|
| EXC90072 | 40 – 50 | Low | Low | High | <i>Gluable, perfect adhesion</i> |

TYPES

- *Radical chemistry*

APPLICATION AREA

- Varnishing machines / coaters*
- Flexo units*

REMARKS

- ★ Both EPDM and nitril rollers are suitable when using our Excure standard varnishes.
- ★ Shelf life: EXC90072 has 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 bottles
- ☐ 5kg plastic pails
- ☐ 10 kg jerry cans
- ☐ 25 kg jerry cans

ADDITIVES

- | | | |
|----------------------------------|-------------------------|----------|
| ◆ Wash up solution | for manual washing | EXC10810 |
| | for automatic washing | EXC10800 |
| | labelling and reg. free | EXC10820 |
| ◆ Photoinitiator | | EXC10706 |
| ◆ Levelling agent | | EXC10030 |
| ◆ Thinner | | EXC10012 |
| ◆ 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.