



EXCURE LETTERPRESS – DRY OFFSET UV VARNISHES FOOD

CHARACTERISTIC

These UV varnishes are radical UV varnishes, formulated without benzophenone, very low in odour and with low migration 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 can be used with normal flexo and letterpress plates*
- ☞ *Optimal resistance properties will be obtained 24 hours after printing*

| Article | Viscosity Laray (21°C) Poise | Cure | Slip | Gloss | Rub / scuff | Property |
|----------|---------------------------------|--------|--------|----------|-------------|--------------------------------------|
| EXC90123 | 35 – 45 | High | High | High | Medium | Standard |
| EXC90131 | 150 – 200 | High | Medium | Very low | Medium | Matt/Gluable |
| EXC90138 | 15 – 25 | Medium | Low | Medium | Medium | Primer/Gluable, For film and foil |
| EXC90186 | 90 – 120 | High | High | High | Medium/High | Chemical resistant |




TYPES

- *Radical chemistry*

APPLICATION AREA

- Dry 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

- 1 kg cans
- 3 kg cans
- 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 | | EXC10045 |
| ◆ Levelling agent | | EXC10003 |
| ◆ Thinner | | EXC10705 |
| ◆ Slip agent | | EXC10005 |
| ◆ Anti penetration additive | | EXC10013 |
| ◆ Surface tension pen (38 dynes) | | 602038 |

OTHER INFO

These inks and/or coatings (this ink and/or coating) are (is) only suitable for use on the non-food contact side of food packaging, provided they are applied using the relevant Good Manufacturing Practices (GMP) and according to the guidelines in this Technical Data Sheet. The printer, converter and packer/filler each have a responsibility to ensure that the finished – printed - product is fit for the intended purpose(s) and that the ink and coating components do not migrate into the food at levels that exceed legal, regulatory and industry defined requirements.