



STERABOARD FOOD

CHARACTERISTIC

The inks of STERABOARD FOOD are especially developed for printing on offset machines.

PROPERTIES

- ☞ *excellent printability*
- ☞ *fast curing*
- ☞ *good gloss, high colour strength*
- ☞ *viscosity properties fit for offset printing*
- ☞ *low odour and lowest migration properties*
- ☞ *Optimal resistance properties will be obtained 24 hours after printing*
- ☞ *Formulated without benzophenone*
- ☞ *Formulated without ITX*
- ☞ *Produced according to the Good Manufacturing Practices*

APPLICATION AREA

- all sheet fed and web fed offset printing machines equipped with a UV-curing system*

UV CURING SPEED (with 3 lamps of 200 W/cm)

- ➔ *300 m/min or 10.000 sheets/hour*

(the reactivity is also influenced by the substrate, the condition of the lamps, the condition and adjustment of the reflectors, the thickness of the ink layer, colour, etc.)

SUITABLE SUBSTRATES

- ☞ *All kinds of paper and board*
- ☞ *Inline Corona treated polyethylene*
- ☞ *Selected lacquered/primered aluminium foils and lids.*

Preliminary adhesion tests are recommended

AVAILABLE COLOUR SHADES

- ☞ *Process colours*
- ☞ *Mixing system*
- ☞ *Opaque white*
- ☞ *Pantone colours*

REFERENCES STERABOARD FOOD

| | | IWS | Alcohol | Nitro | Alkali |
|------------------------------|-----------|-----|---------|-------|--------|
| <u>Process colors</u> | | | | | |
| Yellow | EXC30061 | 5 | + | + | + |
| Magenta | EXC30062 | 5 | + | + | - |
| Cyan | EXC30063 | 8 | + | + | + |
| Black | EXC30064 | 8 | + | + | + |
| Deep black | EXC30065 | 8 | + | + | + |
| <u>Mixing system</u> | | | | | |
| Mixing white | EXC30900M | | | | |
| Opaque white | EXC30901M | | | | |
| Transparent white | EXC30902M | | | | |
| Yellow | EXC30912M | 5 | + | + | + |
| Yellow fast 6 | EXC30913M | 6 | + | + | + |
| Yellow IWS 7 | EXC30914M | 7 | + | - | + |
| Warm yellow | EXC30916M | 5 | + | + | + |
| Orange | EXC30920M | 5 | + | + | + |
| Orange fast | EXC30921M | 7 | + | + | + |
| Warm red fast | EXC30931M | 7 | + | + | + |
| Rubine red | EXC30940M | 5 | + | + | - |
| Rubine red fast 6 | EXC30941M | 6 | + | + | + |
| Rubine red fast 7 | EXC30942M | 7 | + | + | + |
| Rhodamine red fast 7 | EXC30951M | 7 | + | + | + |
| Purple fast* | EXC30953M | 7 | + | + | + |
| Violet fast | EXC30961M | 7 | + | + | + |
| Reflex blue fast* | EXC30963M | 7 | + | + | + |
| Blue 072 fast* | EXC30965M | 7 | + | + | + |
| Cyan | EXC30970M | 8 | + | + | + |
| Green | EXC30980M | 8 | + | + | + |
| Black | EXC30990M | 8 | + | + | + |

* these inks should not be used for mixings, as they are already built up out of other base inks.

REMARKS

- ★ *When laminated afterwards, take care to use the correct fast inks, and to do a preliminary adhesion test.*
- ★ *Cleaning: it is not necessary to wash the press immediately after printing. The STERABOARD FOOD series will not cure in the press and is therefore ready to use for the next day's printing. However, the ink may start to cure in the press if sunlight or UV-light from the bulbs / UV-lamp is allowed to shine on the ink.*
- ★ *Shelf life: the STERABOARD FOOD series 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: the STERABOARD FOOD series should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room.*
- ★ *Rollers: the following roller material is recommended: EPDM (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with UV-inks.*
- ★ *Certain metallic UV-inks may cause swelling of EPDM rollers*
- ★ *Nitril rubber: nitril rubber rollers show minimal swelling with UV-inks and conventional inks. Solvents such as glycol and acetates do have a tendency to make this rubber swell. Nitril rubber is recommended when using two component metallic inks.*

PACKAGING

- 3 kg plastic cans

ADDITIVES

- | | | | |
|-----------------------------|-------------------------|----------|------------------------------|
| ◆ UV Silicone additive | | EXC10005 | |
| ◆ UV Anti-blocking additive | | EXC10007 | |
| ◆ Wash-up solution | for manual washing | EXC10810 | (for ink rollers and plates) |
| | for automatic washing | EXC10800 | (for ink rollers and plates) |
| | labelling and reg. free | EXC10820 | (for ink rollers and plates) |
| | waterbased | EXC10860 | (for dampening system) |
| ◆ Photoinitiator | liquid for inks | EXC10045 | (depth cure) |
| | liquid for inks | EXC10060 | (surface cure) |
| ◆ Thinner | | EXC10705 | |

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.