

STERAPLAST BEAM L.M.

Group: 14.1.1

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CHARACTERISTICS

Tailored solutions of diverse packaging needs for offset printing, including flexible, food packaging, paper substrates and labels. The inks of STERAPLAST BEAM show very good adhesion on all possible closed substrates.

PROPERTIES

- Low odour and low migration properties
- Excellent film lamination properties
- Good post curing rate

SUSTAINABILITY

- Formulated without the use of 379 PI and MOSH, MOAH
- Compliant with the EuPIA Exclusion Policy and
- Compliant with the Swiss Ordinance
- Produced under GMP

SUITABLE SUBSTRATES

- High gloss paper and board
- Pre-treated plastic films (polyester, acetate)

Preliminary adhesion tests are recommended. A test for suitability must always be carried out before printing.

APPLICATION METHODS

- Wet offset

PACKAGING

- 3 KG

FOOD SAFETY

These inks are 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. Please refer to Toyo Ink Europe's "Statement of Composition" for further regulatory information. In case of specific applications, please contact your technical application service.

| COLOUR | ARTICLE CODE | IWS | SPIRIT | NITRO | ALKALI |
|--|--------------|-----|--------|-------|--------|
| <u>Process Colours</u>  | | | | | |
| Yellow | EXC24001EB | 5 | + | + | + |
| Magenta | EXC24002EB | 5 | + | + | - |
| Cyan | EXC24003EB | 8 | + | + | + |
| Black | EXC24004EB | 8 | + | + | + |
| <u>Mixing Colours</u> | | | | | |
| Mixing white | EXC24900EB | | | | |
| Opaque white | EXC24901EB | | | | |
| Transparent white | EXC24902EB | | | | |
| Yellow 012 | EXC24912EB | 5 | + | + | + |
| Yellow Fast | EXC24913EB | 6 | + | + | + |
| Orange | EXC24920EB | 5 | + | + | + |
| Warm Red | EXC24930EB | 3 | + | + | - |
| Warm Red Fast | EXC24931EB | 7 | + | + | + |
| Rubine Red | EXC24940EB | 5 | + | + | - |
| Rubine Red Fast | EXC24942EB | 7 | + | + | + |
| Rhodamine Red Fast | EXC24951EB | 7 | + | + | + |
| Purple Fast* | EXC24953EB | 7 | + | + | + |
| Violet Fast | EXC24961EB | 7 | + | + | + |
| Reflex Blue Fast* | EXC24963EB | 7 | + | + | + |
| Process Blue | EXC24970EB | 8 | + | + | + |
| Green | EXC24980EB | 8 | + | + | + |

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

| ADDITIVES | | | |
|------------------|-----------|-------------|--------------------|
| PRODUCT | CODE | REC. AMOUNT | COMMENT |
| Wash up solution | EXCU10820 | | For manual washing |
| Anti-tack paste | EXC10001 | Max 15% | |
| Thinner | EXC10705 | 1 - 3% | |

REMARKS**Cleaning**

it is not necessary to wash the press immediately after printing. The STERAPLAST BEAM 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 is allowed to shine on the ink

Rollers

The following roller material is recommended: **EPDM** (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with STERAPLAST BEAM inks. Please note that due to our internal processes the time span between the "date of manufacturing" and the "Best Before Date" may deviate but will never be lower than our minimum guaranteed shelf life which has not changed (see section shelf life).

Handling and Storage

A test for suitability must always be carried out before printing. To ensure maximum stability, the product should be stored in closed containers at temperatures between 15 -20°C, away from direct heat and exposure to UV light. Storage in a dark room will be preferable. Stocks should be rotated (i.e. use oldest stock first). Following the above mentioned storage conditions the quality of these products is guaranteed when used within the Best Before Date that is mentioned on the label of the involved lot. Please consult the appropriate safety data sheet under section 7: Handling and storage.

Shelf life

Products which are stored as per the above mentioned storage conditions can be usable for a longer time (in excess of the "best before date"). Any usage after the "best before date" is subject to your own testing. Using the product after the "Expiry Date" is not recommended. Please note that due to our internal processes the time span between the "date of manufacturing" and the "Best Before Date" may deviate but will never be lower than our minimum guaranteed shelf life which has not changed.

Safety Measures

Please consult the appropriate safety data sheet and the warnings on the label and/or packaging.

Overprint varnishing

To improve scuff resistance of non-laminated surfaces, EB FOOD-overprint varnishing is recommended.

CONTACT

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