



OCEANLAM INK

OCEANLAM INK Series is new generation waterbase based technology for Gravure Reverse Printing. This ink series is suitable for printing on treated Polyester and BOPP films. These inks provide good lamination bond strengths with solvent base, solvent less & extrusion lamination processes. These inks exhibit high color strength, excellent half tone reproduction and press stability.

**Application Characteristics:**

- Printing Process** : Gravure, Reverse printing
- Recommended Substrate** : PET (Corona & Chemically coated PET) & Treated BOPP (Minimum treatment level: 38 Dynes/cm)

| Manufacturing Specifications |  |
|------------------------------|--|
| Supply Viscosity             | 20 - 40 seconds @ 27 °C in Ford Cup B4 |
| Printing Viscosity           | 14 - 20 seconds @ 27°C in Ford Cup B4  |
| Specific Gravity             | 1 ± 0.1                                |
| Dry content                  | 16 - 50%                               |
| pH                           | 7.5 – 8.5                              |
| Adhesion                     | Good                                   |
| Blocking Resistance          | Good                                   |

| General Specifications |  |
|------------------------|--|
| Color                  | Standard colors available, Specific colors on request  |
| Lamination             | Suitable for solvent based, solvent less & Extrusion lamination*<br>(* 0.5% Oceanlam Hardener is recommended for extrusion lamination jobs in all the back ground colours) |
| ARSR                   | As per shade/ Contact our representative for details   |
| Light Fastness         | As per shade/ Contact our representative for details   |
| Heat Resistance        | As per shade/ Contact our representative for details   |
| Shelf Life             | 6 - 12 months depending upon the colors** (In unopened containers)   |
| Extender               | Oceanlam Extender Medium   |

**\*\*Colors - 12 Months, White/Gold/Silver/Metallic Inks – 6 Months**

**Reducer Recommendations:**

- Normal drying : Water/ IPA = 70/30
- Retarder : Water

| PRESS ADDITIVE (If required) |  |
|------------------------------|--|
| Defoamer                     | IWOC-003 (WB Antifoam Additive)<br>Recommended Dosage 1 to 3%            |
| Antiblocking Additive        | IWOC-001 (OCEANLAM Antiblocking Additive)<br>Recommended Dosage 2 to 3 % |
| pH Stabilizer                | IWOC-004 (OCEANLAM pH stabilizer)  |

**Cleaning:**

Reducer solvent can be used for cleaning

**Storage:**

Should be stored in original drums in well-ventilated area at normal room temperatures. Avoid extended storage in sunlight and extreme climatic conditions

**It is recommended to do the lamination after 12 - 24 Hrs of curing of print sample.**

**Use of Hardener:** Hardener can provide better heat & chemical resistance properties. It is recommended to use Hardener for Extrusion lamination jobs for better bond strength. Press return inks mixed with hardener should not be used directly. It should be mixed minimum with 50% of fresh inks. If press return inks are very old and thick then it is not recommended to re-use.

**Chemical Resistance:** It is recommended to use all AR-SR colours for higher chemical resistance along with hardener. Example, packaging of soap/ detergent / spices etc.

Please contact our technical team for any further information:

**DISCLAIMER**

The information provided in this data sheet is based on our knowledge and experience. There are many variables at laminators end which will influence the performance like the machine running parameters, operational conditions, various structures used and ambient conditions which are beyond our control. We advise our customers to make their own determination of suitability of this product for their application by making trials at their end. As such this information is offered in good faith but we cannot accept any liability.