

## SELECT UV INKS

for UV - curing

---

### **FUV 1504 - UV Flexo Cold Foil Adhesive.**

FUV 1504 - UV Flexo Cold Foil Adhesive is a free radical based product designed for use in conjunction with a suitable cold foil for the high quality transfer of Metallic particles using the wet lamination process ( Through Carrier Dieless Foiling ) onto a variety of substrates such as paper, board, plastics and foils. The adhesive is solvent-free, which eliminates VOC and flammability problems, and the need for solvent recovery or incineration. FUV 1504 is supplied press-ready and has excellent press stability with no drying on the plate or rollers during stoppages or make-ready. Press returns can be easily reused.

#### **PROPERTIES**

- High tack and cohesive properties ensuring excellent foil transfer.
- Good adhesion to a wide variety of substrates.
- High functionality for fast cure responses at high press speeds.
- Excellent hardness when cured giving good scratch and scuff resistance.
- Low cured odour. Suitable for indirect food contact.

#### **SUBSTRATES**

- Paper and Board.
- Polypropylene ( PP )
- Polyethylene ( PE )
- Polystyrene
- PET

HEAD OFFICE: 30 DONNINGTON ROAD, KILLARNEY GARDENS, CAPE TOWN 7441 P.O. Box 419, TABLE VIEW, 7439 TEL +27 21 557 8237 / FAX +27 21 557 8290

DURBAN OFFICE: UNIT 6 - 1 HAWTHORN ROAD, WESTMEAD, DURBAN 4001 - TEL/FAX +27 31 700 8297

JOHANNESBURG OFFICE: UNIT 20 JOANIQUE PARK - 186-2ND AVENUE, FLORENTIA, ALBERTON, 1449 - PO Box 136534, ALBERTON NORTH, 1456 - TEL +27 11 907 9120 / FAX +27 11 869 4191

REGISTRATION NUMBER: 1991/001351/23

MEMBER: P.A. THOMAS

## **TYPICAL END USES**

- Labels
- Folding cartons
- Flexible film packaging

## **MACHINES**

FUV 1504 is designed for use on all types of Flexographic printing machines equipped with UV lamps.

## **COLOUR RANGE**

FUV 1504 is tinted red to assist with print registration. Other colours are available depending on clients preferences.

## **WASH UP**

FUV 1504 can be wiped clean as the adhesive does not dry in thin films. A slow solvent blend can be used as a final wash. Existing techniques can be used for the disposal of wash-up.

## **PRESS ADJUSTMENT**

FUV 1504 is supplied press ready. However an addition of up to 10 % UV Reducer, Ref No. FA 032 can be made to the adhesive if required.

## **STORAGE**

FUV 1504 is stable for six months in its original packaging when stored at temperatures between 5 and 20 deg C, and protected from direct sunlight. Press returns can be stored under the same conditions as new inks but we recommend that they should be re-used within three months.

## **SAFETY, HEALTH & ENVIRONMENT**

U.V. curing has been designated the best available control technology to reduce atmospheric solvent emissions.

U.V. curing products can be handled in the same way as solvent-based and water-based products while observing the same high standards of hygiene and working practice. U.V. products do not dry if spilled and can be easily spread around the workplace. Spills should therefore, be cleaned up immediately. Contaminated clothing should be removed and properly laundered before re-use.

U.V. products are potential eye irritants. Irrigation is required to remove these products from the eye as they are nonvolatile. As with other technologies, goggles should be worn during pouring to protect the eyes. Prolonged skin contact is not advised. In the event of contact, the skin should be washed thoroughly with soap and water. Solvent should not be used as it degrades the skin so increasing the risk of

absorption of U.V. products into the skin. As with other technologies, impervious gloves should be worn during wash-up, especially if using solvent-based washes.

The best option for the disposal of wet U.V. inks is incineration, because of their high calorific value. All inks are classified as controlled waste but U.V. products are not considered poisonous, corrosive, explosive or flammable, so can be landfilled taking account of local regulations. Wash-up solvent containing U.V. inks should be incinerated.

Waste material printed with U.V. inks can be recycled using existing techniques.