

**UV 12500M**
**12500M UV MATTE TOPCOAT FOR FLEXO**
**General Information**

12500M is a UV curable topcoat specially designed to work for Flexographic applications. This coating has outstanding flow and leveling properties with excellent curing capability. It creates an even, smooth surface with matte characteristic and high scuff resistance. **Product must be properly stirred up to a uniform condition prior to use.**

**Typical End Use**

Labels

**Typical Properties**

Low Odor, Low Viscosity, Solvent Free, can be further processed immediately.

**At a Glance, This Coating;**

<b>Gluable/Imprintable</b>	<b>No</b>	<b>Flexibility</b>	<b>Very Good</b>
<b>Suitable Hot Stamping</b>	<b>No</b>	<b>Suitable for In-Line</b>	<b>Yes</b>
<b>Can be Applied via Pump</b>	<b>Yes</b>	<b>Suitable Direct Food Contact</b>	<b>No</b>

**Technical Data**

<b>Viscosity @ 25 C – Brook field</b>	400 - 500 cps	<b>Liquid Appearance</b>	White
<b>Viscosity @ 25 C - Din Cup #4</b>	92 – 110 sec	<b>Odor</b>	Typical
<b>Curing Speed Tack Free</b>	200fpm w / 300W / inch lamp	<b>Cured Appearance</b>	Mate film
<b>Solid Content</b>	100 %	<b>Gloss</b>	<10 at 60° Angle

**Recommended Application**

This coating is designed to be applied through various application systems including roller coater, flexo, Depending on the application we recommend to use 360-180 Anilox at 4.3-7.5 BCM or approximate weight of 0.56 lbs / MSF, gloss level will slightly vary depending upon coating thickness

**Processing**

Mix well before use, making sure that equipment is clean in order to avoid contamination from other materials.

**Machine and Drying**

This coating is designed to be cured at 200 FPM w 1-300 Watt / inch lamp.

Greater press speed and curing capability may be achieved with additional UV lamps. Substrate may also have an effect on cure speed. Always test coating for compatibility with Ink systems, substrates and for sufficient cure before general use.

**Cleaning**

Machine and other equipment can be cleaned with Alcohol, Acetone or other UV cleaning products.

**Shelf Life and Storage Conditions**

UV coatings are sensitive to contamination and should be shielded from any exposure to UV and intense heat sources (e.g., sunlight, fluorescent lamps, radiators etc.).

UV Products must be stored tightly closed, avoiding temperatures higher than 100F.

NORMAL STORAGE DURATION: 6 months

**Safety**

UV Products are generally considered to be non-toxic; however during handling and use, the user should avoid inhalation of vapors as well as direct eye or skin contact.

UV products can be irritant to skin and eyes, wash immediately with soap and water if there is direct contact..

Must wear suitable gloves and eye/face protection

Consult the MSDS for additional handling and safety information.

**Packaging**

**This product is available in:**

5 - Gallon pails

55 - Gallon Drums

**Transportation**

Not dangerous goods. Can be transported in freezing temperatures but product should be brought to room temperature prior to use.

All information and recommendations about FRIMPEKS products are based on our existing knowledge and experiences but do not mean a guarantee or warranty. As the products are used for different applications we recommend checking suitability of product prior to use. All information is subject to change without notice. End user obliged and verifies the above information before using the material.