Frimpeks LED UV Curable Varnishes

104717 UV LED COATING FLEXO GLOSS 14006-INP

Product Information

104717 is a contemporary low energy/LED UV curable, imprintable topcoat specially designed to work with Flexographic applications. This coating is specially formulated in order to match the needs of higher wavelength output of low energy/LED processes. Typically this coating has outstanding flow and leveling properties and has excellent curing capability. It creates an even, smooth surface with high gloss and high scuff resistance, with superior flexibility for scoring and folding. It is highly recommended that imprintabiliy to be tested prior to production due to the variety of thermal ribbons.

Typical End Use

Magazines, Posters, Brochures, Leaflets, Packaging, Labels

Typical Properties

Imprintable, Low Viscosity, Solvent Free, can be further processed immediately

At a Glance

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

Technical Data

Viscosity @ 22°C Ford Cup	95 – 105 sec	Liquid Appearance	Hazy
Reactivity with LED	385 / 395 nanometers	Odor	Typical
Solid Content	100 %	Cured Appearance	Clear Film
		Gloss	90+ at 60° Reflection

Recommended Application

This coating is designed to be applied through various application systems including roller coater, flexo, letterpress, and roll-to-roll offset presses.

Recommended application is approximately 3-4 gr/m^2 in order to get the optimal performance.

Processing

Stir properly for longer time under high shear, making sure that equipment is clean in order to avoid contamination from other materials.

Equipment and Drying

This coating is designed to be cured at 385 / 395 nanometers LED lamp. 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

Appliance and other equipment can be cleaned with alcohol or other UV cleaning products.

Shelf Life and Storage Conditions

UV Products must be stored tightly closed, away from direct light*. The optimal storage temperature is between 5°C and 35°C. UV Products are packaged leaving sufficient air space to prevent accidental polymerization of the product. *LED products are more sensitive to visible light .NORMAL STORAGE DURATION: 1 year

Safety

UV Products are generally considered to be non-toxicological. However during handling and use the user should avoid inhalation of vapors as well as direct eye or skin contact. UV products can be an irritant to skin and eyes, wash immediately with soap and water if there is direct contact. Protective eyewear and latex gloves are recommended while using this product. Consult the SDS for additional handling and safety information.

Packaging

This product is available in:
20 KG pails
200 KG Iron Drums
1000 KG IBC

Transportation

Non-dangerous goods. Can be transported in freezing temperatures but product should be brought to room temperature prior to use.

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