

Technical Information

Frimpeks LED UV Curable Varnishes

103422 UV LED COATING SCREEN EMBOSS 13559-BF

Product Information

103422 is a contemporary low energy/LED UV curable *benzophenone-and-derivative-free* topcoat specially designed for Screen applications. It can be used on both Rotary and Flatbed Screen 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.

Typical End Use

Magazines, Posters, Brochures, Leaflets, PVC

Typical Properties

Benzophenone-and-Derivative-Free, Solvent Free, can be further processed immediately

At a Glance

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

Technical Data

Viscosity @ 22°C Rheometer	5.5 – 6.5 pas
Reactivity with LED	385 / 395 nanometers
Solid Content	100 %

Liquid Appearance	Hazy
Odor	Typical
Cured Appearance	Clear Embossed Film
Gloss	90+ at 60° Reflection

Recommended Application

This coating is designed to for Screen applications. It can be used in both Rotary and Flatbed Screen applications.

For optimal performance, the recommended application is app 7-10 Gr/m²

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.

Disclaimer:

The statements listed on this publication are according to our best knowledge. The statements do not exonerate the user from their own responsibility to determine that our products are suitable for their processes. They are intended to inform and advise and are subject to influence from the technical process.
This edition of January 16, 2025 replaces all previous editions. With the present edition all older editions are null and void.

Frimpeks Kimya ve Etiket Sanayi Ticaret A.S.

Velimeşe Organize Sanayi Bölgesi Mah. 236.sok. No:7/1 Ergene - Tekirdağ/ Turkey
T +90 282 674 5200 - frimpeks.com - regulatory@frimpeks.com