

Technical Information

Frimpeks UV Curable Varnishes

32401 UV COATINGS COLD FOIL 32401

Product Information

32401 is a UV curable coating specially designed for Flexo and Letterpress applications. This coating is specifically designed for high quality cold foiling in label, packaging and commercial applications including the use of security and other special effect foils customized for cold foil process. It is a high performance UV curing cold-foil adhesive for narrow-web flexo printing. It can also be used for in-line cold-foil applications.

Typical End Use

Pressure Sensitive Labels and Packaging

Typical Properties

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

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| Viscosity @ 22°C Ford Cup | 330 – 340 sec |
| Reactivity with 120 W/cm ² Lamp | 150mj/cm ² |
| Solid Content | 100% |

| | |
|-------------------|-------------------|
| Liquid Appearance | Hazy Light Yellow |
| Odor | Typical |
| Cured Appearance | Clear film |
| Gloss | N/A |

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 6-7 gr/m² 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 150mj/cm² with 1-120 Watt/cm² 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

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 sunlight. 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. 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 April 22, 2023 replaces all previous editions. With the present edition all older editions are null and void.

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