



Frimpeks UV Curable Varnishes

38001 UV COATINGS DIGITAL GLOSS 38001

Product Information

38001 is a UV curable coating specially designed for Offline coating over digital printed sheets. This product showed excellent results on most of the brands in the market, with outstanding flow properties and high curing capability. The adhesion and leveling must be checked by end user as printing property may be varying from brand to brand.

Typical End Use

Magazines, Posters, Brochures, Leaflets, Packaging, Labels

Typical Properties

Solvent Free, can be further processed immediately

At a Glance

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

Technical Data

 $50 - 60 \sec$ Viscosity @ 22°C Ford Cup Reactivity with 120 W/cm²Lamp 60mi/cm² Solid Content 100%

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/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 60mj/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.

Liquid Appearance Gardner 5 Odor Typical **Cured Appearance** Clear film

90+ at 60° Reflection

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 5, 2023 replaces all previous editions. With the present edition all older editions are null and void.

Frimpeks Kimya ve Etiket Sanayi Ticaret A.S.