

# Technical Information

## Frimpeks UV Curable Varnishes

### 13501 UV COATINGS SCREEN MACRO EFFECT 13501

#### Product Information:

13501 is a UV curable Benzophenone free coating specially designed for Screen applications. It can be used on both Rotary and Flatbed Screen applications. Typically this coating has outstanding flow and leveling properties and has excellent curing capability. It creates a textured, sandy surface (the particle size is rougher and more pronounced than in product UV 13502 Micro Effect).

#### Typical End Use

Magazines, Posters, Brochures, Leaflets, Packaging, Labels

#### Typical Properties

Solvent Free, can be further processed immediately

#### At a Glance

Gluable/Imprintable	No
Flexibility	Very Good
Suitable Hot Stamping	No
Recommended Mesh	100/110/120
Can be Applied via Screen	Yes
Suitable Direct Food Contact	No

#### Technical Data

Viscosity @ 22°C Ford Cup	290 – 300 sec
Reactivity with 120 W/cm <sup>2</sup> Lamp	80mj/cm <sup>2</sup>
Solid Content	100 %

Liquid Appearance	Hazy White
Odor	Typical
Cured Appearance	Matte film
Gloss	N/A

#### Recommended Application

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

To get the optimal gloss the recommended application is app 7-10 Gr/m<sup>2</sup>

#### Processing

Mix well before use, 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 80mj/cm<sup>2</sup> with 1-120 Watt/cm 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, avoiding temperatures higher than 50°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

#### Transportation

Not 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 December 21, 2016 replaces all previous editions. With the present edition all older editions are null and void.

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