



Technical Information

Frimpeks Waterbased Varnishes

103296 WATER BASED PRIMER THERMAL PAPER 53017

Product Information:

103296 is part of FRIMPEKS' innovative 53000 family of primers specifically developed for pigmented water-based printing. It is formulated for coated offset, UV and standard, substrates and is an effective primer for high-speed commercial printing applications. It is specially effective in thermal paper applications such as labels and narrow web. 103296 is non-corrosive, offers increased productivity, and superior print quality at higher line speeds.

Key Benefits

- Maintains sheet appearance for use after priming, including gloss level
- Enriches image quality through reduced bleed and mottle
- Allows for increased productivity at higher line speeds
- Less harsh on printers and priming equipment due to a non-corrosive formulation

Typical End Use

Papers, synthetic

Typical Properties

Low Odor, Solvent Free, can be further processed immediately

At a Glance

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

Technical Data

| | |
|---------------------------|-------------|
| Viscosity @ 25°C Ford Cup | 35 – 45 sec |
| pH | 8.0 – 8.5 |
| Solid Content (130°C /3h) | 46 – 49 % |

| | |
|-------------------|-------|
| Liquid Appearance | White |
| Odor | Low |
| Gloss | N/A |

Recommended Application

Roller Coater, Anilox

Dilution not recommended

Recommended application is app. 1.5 - 2.0 GSM (Wet film weight), in order to get the optimal performance.

Processing

Please make your own tests, for the needed specific demands, before extended production periods.

Equipment and Drying

Depends on the efficiency of the dryer, the quantity of coating applied and the substrate

Cleaning

Appliance and other equipment can be cleaned with water after use.

Shelf Life and Storage Conditions

Water based varnish cans and drums must be store tightly closed where in door conditions are protected from continuous sun light and temperatures higher than 40°C

NORMAL STRORAGE DURATION: 1 year

Safety

During handling and use the user should avoid inhalation of vapors as well as direct eye or skin 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:
200 KG Iron Drums
1000KG IBC

Transportation

Non-dangerous goods. Cannot be transported in freezing temperatures, and 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 October 20, 2022 replaces all previous editions. With the present edition all older editions are null and void.