

Michem® Prime 74994

BRAND FAMILY OVERVIEW Michem® Prime functionalized copolymer dispersions deliver the flexibility, water and chemical resistance, and barrier properties of polyethylene in a water-based form. Property enhancements include excellent clarity, adhesion, lower heat seal temperature, durability, and crosslinkability.

USAGE This versatile coating solution provides outstanding adhesion to both metallic and cellulosic substrates. Typically used as an additive to size press applied starches, it improves the treated paper's print receptivity and allows it to be more heat sealable. Furthermore, adding it to polyvinyl alcohol-sized press treatments offers outstanding grease and oil holdout.

DESCRIPTION Primer for digital printing on paper substrates

PERFORMANCE ATTRIBUTES This product is used in many applications including the following:

Market	Properties Imparted
HP Indigo Solutions	<i>Applicator - size press, Substrate - paper</i>

PHYSICAL PROPERTIES The following properties are typical but should not be considered specifications:

Appearance:	White liquid
Freeze/Thaw Stability:	TBD
Non-Volatile (%) :	34.5 - 35.5
Specific Gravity:	0.98 - 1.01
pH:	7.4 - 8.4
Brookfield Viscosity (cps) :	< 500
Spindle Number:	2
RPM:	60
Shelf Life (months) :	The product has a shelf life of 24 months from date of manufacture when storage and handling instructions are followed.

APPLICATION DATA A typical application is an additive to size press applied starches, where the chemical functionality and thermoplasticity of Michem® Prime 74994 can be used to improve heat sealability and print receptivity of the treated paper. Addition of Michem® Prime 74994 to polyvinyl alcohol size press treatments will also offer outstanding grease and oil holdout.

STORAGE Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

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HANDLING Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

Revised 14 August 2023

The following information for this product, specific to each site of manufacture, is available upon request:

- Material Safety Data Sheets in various formats and languages (includes global chemical inventory listing)
 - Food Contact Declaration of Compliance (if applicable)
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