

# Michem® Flex P1309

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**BRAND FAMILY OVERVIEW** Michem® Flex is a range of functional, sustainable water-based technologies optimized for flexible packaging.

**USAGE** A primer for film, metalized film, printed film and paper substrates promoting excellent adhesion to extrusion coated resins, resulting in high bond strength for dry and low moisture content products. Michem Flex P1309 creates very strong adhesion between treated film and PE and EVA extrudates.

**DESCRIPTION** Water-based primer for polyethylene extrusion and anchor coating

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

Appearance:	Clear liquid
Solids Type:	Polyethylenimine
Freeze/Thaw Stability:	Stable after 5 Cycles
Non-Volatile (%) :	4.5 - 5.5
Specific Gravity:	1.01 - 1.04
pH:	10.0 - 12.0
Brookfield Viscosity (cps) :	0 - 50
Spindle Number:	1
RPM:	60
Shelf Life (months) :	The product has a shelf life of 12 months from date of manufacture when storage and handling instructions are followed.

**SITE OF MANUFACTURE  
(and PRODUCT CODE)** Singapore (MFP1309.S)

**APPLICATION DATA** Michem® Flex P1309 may applied via flexo, gravure or smooth roll coater. It can be diluted 1:1 with water or with a 50:50 pre-mixture of water and isopropyl alcohol prior to use. It has good compatibility with both Ethanol & Methanol but limited compatibility in IPA solvent. It is recommended that IPA must always be diluted with water before use. It is recommended to corona or flame-treat substrates prior to priming and dry thoroughly with hot, circulating air. This product is highly recommended for application in-line to a target coat weight on film substrates of 0.025 0.075 dry g/m2. This product was specifically designed for and is available only in Asia.

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

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**HANDLING** Handle in accordance with good industrial hygiene and safety practice.

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Revised 05 December 2018

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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