

# Michem™ Dispersion Urethane 440

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**BRAND FAMILY OVERVIEW** Michem Dispersion Urethanes are water based polyurethane dispersions that can enhance toughness, scratch resistance, water resistance and flexibility of coatings. Michem Dispersion Urethanes are useful for industrial wood, concrete, and metal substrates.

**USAGE** Provides chemical, abrasion, and scratch resistance for pigmented floor coatings and parquet lacquers.

**DESCRIPTION** Water-based acrylic-polyurethane dispersion

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

Market	Properties Imparted
Industrial Wood & Plastic	abrasion resistance, chemical resistance, scratch resistance

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

Appearance:	White liquid
Solids Type:	Acrylic Polyurethane
Emulsifier Charge:	Anionic
Minimum Film Forming Temperature (degrees Celsius) :	15
Non-Volatile (%) :	38.0 - 40.0
pH:	7.0 - 8.5
Brookfield Viscosity (cps) :	20 - 400
Spindle Number:	2
RPM:	20
Shelf Life (months) :	The product has a shelf life of 12 months from date of manufacture when storage and handling instructions are followed.

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

**HANDLING** Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

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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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