

Michem® Dispersion Urethane 2012B

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 abrasion, water, and blocking resistance and fast hardness development for floor coatings, parquet lacquers, and industrial coatings.

DESCRIPTION Water-based polyurethane-acrylic hybrid system

	Market	Properties Imparted
	Concrete	abrasion resistance, block resistance, chemical resistance, hardness, water resistance
	OEM Applied Wood Protection	abrasion resistance, block resistance, chemical resistance, hardness, water resistance
	On-Site Applied Wood Protection	abrasion resistance, block resistance, chemical resistance, hardness, water resistance

PHYSICAL PROPERTIES

Appearance:	White liquid	
Solids Type:	Polyurethane Acrylic hybrid	
Emulsifier Charge:	Anionic	
Minimum Film Forming Temperature (degrees Celsius):	30	
Non-Volatile (%) :	34.0 - 36.0	
pH:	7.0 - 9.0	
Brookfield Viscosity (cps):	10 - 300	
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.	

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APPLICATION DATA This dispersion is compatible with most common additives, pigments, and pigment preparations and can be combined with other emulsions. Due to the variety of products in the market, compatibility and storage stability have to be tested from case to case. Polyurethane thickeners can be used. Due to the minimum film forming temperature of this dispersion it is mandatory to add coalescing agents.

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. If this product contains synthetic polymer microparticles, ensure that the product is not released to the environment. If applicable, the product should be mixed in closed containers to prevent a release of synthetic polymer microparticles into the environment.

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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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