

# Michem® Dispersion Urethane 4075B

---

**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 excellent abrasion resistance, water resistance, and high flexibility for floor coatings, parquet lacquers, and industrial coatings.

**DESCRIPTION** Water-based polyurethane dispersion

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

Market	Properties Imparted
Concrete	<i>abrasion resistance, block resistance, flexibility, water resistance</i>
OEM Applied Wood Protection	<i>abrasion resistance, block resistance, flexibility, water resistance</i>
On-Site Applied Wood Protection	<i>abrasion resistance, block resistance, flexibility, water resistance</i>
Textiles	<i>abrasion resistance, flexibility, water resistance</i>

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

Appearance:	White liquid
Solids Type:	Polyurethane
Non-Volatile (%) :	39.0 - 41.0
pH:	7.0 - 8.0
Brookfield Viscosity (cps) :	20 - 200
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.

# Michem® Dispersion Urethane 4075B

---

**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 are highly recommended but most commercial thickeners can be used. Due to the dispersion, it is not mandatory to add coalescing agents. For application properties of the final product, it might be helpful to add co-solvents like glycol ethers.

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

Revised 09 July 2020

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)

**Americas**

Michelman Inc.  
Tel: +1 513 793 7766  
Fax: +1 513 793 2504

**Luxembourg**

Michelman International SARL  
Tel: +352 26 39 44 1  
Fax: +352 26 39 44 80

**Singapore**

Michelman Asia-Pacific Pte. Ltd.  
Tel: +65 6861 2822  
Fax: +65 6861 2262

**China**

Michelman New Material  
(Shanghai) Co., Ltd.  
Tel: +86 21 3810 3800  
Fax: +86 21 3810 3811

**India**

Michelman Private Limited  
Tel: +91 22 6221 3800  
Fax: +91 22 6221 3801/02

The facts stated and the recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application for our products nor anticipate every variation encountered in manufacturing equipment and methods. The products discussed are sold without warranty, express or implied and Seller disclaims any warranty of merchantability or fitness for a particular purpose in connection with the purchase of its products. It is recommended that purchasers conduct their own tests to determine the suitability of such products for their particular purpose. Seller shall not be liable for any injury, loss or damage, direct or consequential arising out of the use of or the inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent and our products are sold without warranty of non-infringement.

© 2026 MICHELMAN, INC. All rights reserved. ® Reg. U.S. Pat. TM Off.  
All marks contained herein are registered or owned by Michelman, Inc.  
Michelman is ISO 9001:2015 certified.