

# Michem® Guard 7140

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**BRAND FAMILY OVERVIEW** Michem® Guard waterborne dispersions add optimum slip, and abrasion, mar, and block resistance without using solvents. Some also provide a matting effect for a more natural appearance.

**USAGE** This water-based dispersion provides block, rub, and abrasion resistance, and matting in pigmented and semi-gloss coatings, inks, and overprint varnishes. It also produces smooth satin finishes at a 5-10% addition rate.

**DESCRIPTION** Anionic polyethylene dispersion

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

| Market                      | Properties Imparted   |
|-----------------------------|---|
| Building Paints             | <i>mar resistance</i>   |
| Exterior Wood Protection    | <i>durability, scratch resistance</i>   |
| Gloves                      | <i>matting, rub resistance</i>  |
| Inks                        | <i>abrasion resistance, block resistance, mar resistance, matting, rub resistance, scratch resistance</i>   |
| Leather                     | <i>abrasion resistance, block resistance, mar resistance, scratch resistance, scuff resistance and feel</i> |
| OEM Applied Wood Protection | <i>abrasion resistance, block resistance, matting, scratch resistance</i>                                   |
| Overprint Varnishes         | <i>abrasion resistance, block resistance, matting, rub resistance, scratch resistance</i>                   |

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

|                                |              |
|--------------------------------|--------------|
| Appearance:                    | White liquid |
| Solids Type:                   | Polyethylene |
| Emulsifier Charge:             | Anionic      |
| Non-Volatile (%) :             | 39.5 - 40.5  |
| pH:                            | 5.0 - 7.0    |
| Recommended pH of your system: | 4.0 - 10.0   |
| Brookfield Viscosity (cps) :   | < 500        |
| Spindle Number:                | 3            |
| RPM:                           | 60           |

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**SITE OF MANUFACTURE  
(and PRODUCT CODE)** USA (MGRD7140), Singapore (MGRD7140.S)

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

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**HANDLING** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment.

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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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## 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

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