

Michem® Flex B1002

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

USAGE Recyclable, flexible and overcoatable, this water-based coating offers excellent oxygen barrier along with good oil and grease resistance. It is an ideal barrier against mineral oils. Michem® Flex B1002 creates a strong adhesion and a smooth, pinhole-free surface onto the porous nature of the paper. It will also ensure high affinity towards vacuum deposition of metal onto paper.

DESCRIPTION Oxygen barrier coating

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

Appearance:	Yellow translucent liquid
Solids Type:	Polymer
Freeze/Thaw Stability:	None: protect from freezing
Non-Volatile (%) :	12.5 - 13.5
Specific Gravity:	0.99 - 1.01
pH:	5.0 - 7.5
Brookfield Viscosity (cps) :	0 - 500
Spindle Number:	2
RPM:	60
Shelf Life (months) :	The product has a shelf life of 6 months from date of manufacture when storage and handling instructions are followed.

SITE OF MANUFACTURE (and PRODUCT CODE) USA (MFB1002), Belgium (MFB1002.E), Singapore (MFB1002.S)

APPLICATION DATA Michem® Flex B1002 can be applied via flexo, rod and blade coater.

STORAGE Keep containers tightly closed in a dry, cool and well-ventilated place. The product is sensitive to storage conditions at temperatures under 15°C (59 °F). As a result of such conditions the viscosity may increase. This state is reversible. Storing material in a 35 to 40°C (95 to 104°F) environment will lower viscosity back to its usable range. It requires time for heat to transfer to the bulk.

HANDLING Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment.

Michem® Flex B1002

Revised 16 March 2023

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.