

Our Michem® Flex heat seal coatings are water-based, food contact compliant, and are used around the globe in applications including blister, plastic film, and aluminum foil packaging. The Michem® Flex family of products are available in many application specific grades, improve line speeds, and feature a low heat-seal temperature and high degree of hot tack. They can be applied at thinner coating weights than extrusion coatings, and can be pattern applied for further cost reduction. The "ready-to-use" heat seal coatings are self-priming and can be applied from a single in-house coating station. This eliminates the need to stock specialty grades of pre-primed or pre-coated films. Formulations are available that meet individual country regulatory requirements.

Product	Description	Usage
<b>Michem® Flex 1306</b>	Water based heat seal coating	A low COF, heat seal coating suitable for application to paper or aluminum / paper laminated structures. Having a low COF makes this grade particularly suitable for use in high speed VFFS applications.
<b>Michem® Flex HS 185</b>	Ethylene acrylic acid copolymer dispersion	A low temperature heat seal coating for plastic films for flexible packaging applications.
<b>Michem® Flex HS 268</b>	Water based dispersion of high molecular weight polyolefin	Used for heat sealing or dry bond lamination applications, offering low temperature seal initiation and stronger bonds to paper, metal (foil or metalized surface), various primed films such as matt, pearlized cavitated BOPP or BOPET films. It should be used with the addition of a wax emulsion to control the coefficient of friction (typically 2 to 4% by weight) e.g. Michem® Lube 160 RPH.
<b>Michem® Flex HS777</b>	Formulated ethylene copolymer dispersion	Michem® Flex HS777 is heat sealable and adheres to paper. It will then function as a heat seal to polyolefin surfaces and paper.
<b>Michem® Flex HS9010</b>	Water-based heat seal coating for heat-sensitive goods and high-speed packaging lines.	A water-based heat seal coating designed for heat sealing with polyolefin materials over a wide temperature range. It is excellent for sealing through contamination and ideal for horizontal and vertical form fill seal applications utilizing polyolefin materials that require high speeds, have temperature sensitive products, or have products that can contaminate seal areas.
<b>Michem® Flex P1883</b>	Water based heat seal coating and primer for extrusion coated resins.	Primer for metal and paper substrates promoting good adhesion to extrusion coated resins resulting in strong bond strength as well as excellent water and chemical resistance. It may also be used as a low temperature heat seal coating for bonding aluminum foil to itself or to paper.
<b>Michem® Prime 4983R</b>	Ethylene acrylic acid dispersion	Provides outstanding adhesion to both metallic and cellulosic substrates, and enhances the water, grease, oil and solvent resistance of coatings and adhesives. Can serve as a tie coat or primer for extrusion coatings, a foil laminate, a specialty paper coating, a paper sizing agent, a heat sealable coating, nonwoven binder and can also be used as a thermally active binder in thermal transfer release coatings.

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.

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