

## Product Description

A slip and anti-block additive for auto polish formulations.

Additive for polish formulations provides buffability, gloss enhancement and mar resistance with an exceptionally small particle size.

Provides slip, gloss and blocking resistance in a variety of coating applications for graphic arts, paints and varnishes.

Used as an additive in car polish, paints, coatings and graphic arts to increase scratch resistance, lubrication, release and block resistance.

Provides slip and anti-block properties when used in coatings for adhesives, graphic arts, wood and packaging.

An additive used to provide buffability, black heal resistance and slip control for the floor care and wood varnish industry.

Provides excellent slip, mar resistance and anti-blocking properties for industrial coatings. It is also used as a release and slip aid in adhesives and paper coatings.

Used in floor polish and wood varnishes for black heel mark resistance, toughness and buffability, mar scuff and chemical resistance.

Used in water-based coatings to improve slip, rub resistance, hardness and/or block resistance. It has proven very effective for mar resistance in floor polish.

Provides mar, rub, block and scratch resistance as well as improved water resistance in coatings and graphic arts formulations.

Used in floor polish and overprint varnish formulations when slip resistance is needed. Provides durability and scratch resistance to wood applications.

Provides excellent anti-blocking and release properties for building paint, industrial molding and industrial wood applications.

Effective as a sacrificial anti-graffiti coating and can also contribute water resistance to industrial and wood coatings. Provides lubricity and serves as a mold release.

Provides early water resistance and lubricity in a variety of coatings for wood construction products and paper.

Designed to provide release in industrial molding applications.

Exhibiting a high degree of water block and mar resistance and excellent compatibility. This product is used in many water-based coating applications.

Can provide slip, release and anti-blocking properties in a number of applications from wood coatings to being blended with synthetic and natural lattices.

This fine particle sized emulsion provides excellent water repellency, block resistance and lubricity when added to varnishes and coatings without affecting gloss.

An excellent early water beading and anti-blocking agent for exterior coatings. It also is successfully used for hot tire scuff resistance in asphalt.

Provides excellent water beading, water repellence, release and anti-block for wood and architectural coatings.

Enhances water repellency, water beading and moisture/moisture vapor resistance. This product is widely used in the wood coatings industries.

Provides lubricity and is effective as a high temperature mold release for metal dies.

Used in water-based coatings to improve slip, rub resistance, hardness and/or block resistance. It is effective for mar resistance in floor and car polish formulations.

Provides excellent anti-blocking, scratch and mar resistance as well as gloss in inks, coatings and overprint varnishes.

Water resistant penetrating topical wood treatment with excellent weatherability and color stability.

Provides excellent water resistance for topical wood coatings. Reduces the swelling of wood in the presence of water as well as providing great water bead.

Provides excellent water resistance for topical wood coatings. Reduces the swelling of wood in the presence of water and giving great water bead with lower VOC.

Imparts excellent early water resistance and release properties when used as an additive in wood coatings, furniture coatings and other water-based coatings.

A stable high solids water resistant additive for coatings. It is also effective in controlling concrete curing and release for industrial molding applications.

A water repellent additive used effectively for the curing and protection of concrete.

Containing 99.5% natural ingredients, this additive imparts good water bead and color to wood and concrete coatings.

Provides excellent water resistance for topical wood coatings by preventing the swelling of wood in the presence of water as well as providing great water bead.

A natural oil emulsion that imparts water resistance to wood and concrete.

A process coating for metals to improve water holdout, scratch resistance and adhesion.

A water-based metal strapping lubricant, this fully formulated coating may be applied by E-coating or dipping. It acts as a durable and lubricious coating.

Provides mar resistance properties when used as an additive in paint coating, ink and graphic arts formulations.

One micron dispersion which improves rub and abrasion resistance in pigmented and semi-gloss coatings and inks and overprint varnishes at low addition rates.

Improves blocking, rub and abrasion resistance and matting in pigmented coatings and semi-gloss coatings, inks and overprint varnishes and at low addition rates.

Water-based additive which provides excellent lubricity in industrial coatings, inks and overprint varnishes.

An additive best used as a leveling aid, gloss enhancer and for buffability and mar resistance for the floor finish industry and for auto polish formulas.

Provides outstanding adhesion to metallic and cellulose substrates and enhances the water, grease, oil and solvent resistance of coatings and adhesives.

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# Additives Product Portfolio

## Innovating a Sustainable Future

As a global developer and manufacturer of environmentally friendly advanced materials for industry, Michelman offers solutions for the coatings, printing & packaging, and industrial manufacturing markets. Motivated by unwavering values, and ingrained with a passion for environmentally conscious innovation, we help companies around the globe establish and achieve their product development goals. With access to Michelman's expert materials resources, a compelling combination of world-class talent and specialty chemistries, our customers are excelling in the diverse range of markets they serve with sustainable and responsible solutions.



Please contact the following people in your region for further information.

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

**Europe, Middle East, Africa**  
Michelman SARL  
Tel: +352 26 39 44 1  
Fax: +352 26 39 44 80

**Japan**  
Michelman Japan LLC  
Tel: +81 3 45 80 14 90  
Fax: +81 3 45 80 27 01

**China**  
Michelman (Shanghai)  
Chemical Trading Co., Ltd.  
Tel: +86 21 2098 6880  
Fax: +86 21 2098 6881

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

**India**  
Michelman Private Limited  
(formerly known as Michelman Chemicals Pvt Ltd)  
Tel: +91 22 6221 3800  
Fax: +91 22 6221 3801

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Product Name	Solids Type	%NV	Emulsifier Charge	pH	Rec pH	Properties											Applications						
						Abrasion Resistance	Scratch Resistance	Lubricity	Slip Resistance	Block Resistance	Water Resistance	Matting	High Gloss	Release	Adhesion	Wood Coating	Industrial Coating	Architectural Coating	Inks & OPVs	Leather & Textile Finishes	Polishes	Mold Release & Die Casting	Adhesive
<b>Wax Emulsion</b>																							
Michem® Emulsion 20117	Carnauba	16.0-18.0	Cationic	4.5-6.5	< 7.0		●	●		●			●							●		Michem® Emulsion 20117	
Michem® Emulsion 24414	Carnauba	13.5-14.5	Anionic	8.5-9.5	7.0-12.0		●	●					●							●		Michem® Emulsion 24414	
Michem® Emulsion 67135	Carnauba	34.5-35.5	Anionic	3.0-6.0	1.0-12.0	●				●						●		●			●	Michem® Emulsion 67135	
Michem® Lube 156PPF	Carnauba	24.5-25.5	Nonionic	4.5-7.5	1.0-12.0	●	●	●		●			●			●	●	●	●	●	●	Michem® Lube 156PPF	
Michem® Lube 160PPF	Carnauba	24.5-25.5	Anionic	4.0-7.0	1.0-12.0	●	●	●		●			●			●	●	●	●	●	●	Michem® Lube 160PPF	
Michem® Emulsion 95435	Ethylene Acrylic Acid Copolymer	34.5-35.5	Nonionic	9.5-10.5	> 7.0		●	●	●				●						●	●		Michem® Emulsion 95435	
Michem® Emulsion 61335	High Density Polyethylene	34.5-35.5	Anionic	9.7-10.7	> 7.0	●	●	●								●	●				●	Michem® Emulsion 61335	
Michem® Emulsion 93135M	High Density Polyethylene	34.5-35.5	Nonionic	9.5-11.0	> 7.0		●	●		●			●			●	●			●	●	Michem® Emulsion 93135M	
Michem® Emulsion 93235	High Density Polyethylene	34.5-35.5	Nonionic	8.5-10.5	> 7.0		●	●		●			●			●	●			●	●	Michem® Emulsion 93235	
Michem® Lube 190	High Density Polyethylene	34.5-35.5	Anionic	8.7-9.7	> 7.0		●	●		●			●			●	●			●	●	Michem® Lube 190	
Michem® Emulsion 94340	Maleated Polypropylene	39.5-40.5	Anionic / Nonionic	7.5-9.0	> 7.0	●										●	●			●	●	Michem® Emulsion 94340	
Michem® Emulsion 48040M2	Microcrystalline	39.5-40.5	Nonionic	< 10.0	1.0-12.0			●		●						●	●			●	●	Michem® Emulsion 48040M2	
Michem® Emulsion 47950	Paraffin	49.0-51.0	Nonionic	4.0-10.0	1.0-12.0											●	●	●				Michem® Emulsion 47950	
Michem® Emulsion 71450	Paraffin	48.0-52.0	Anionic	9.5-10.5	> 7.0					●						●	●					Michem® Emulsion 71450	
Michem® Emulsion 71731M	Paraffin	30.0-32.0	Anionic	8.5-9.5	> 7.0					●						●	●				●	Michem® Emulsion 71731M	
Michem® Lube 743	Paraffin	31.5-32.5	Nonionic	6.0-7.5	-		●	●		●			●			●	●			●	●	Michem® Lube 743	
Michem® Lube 985	Carnauba/Paraffin Wax blend	39.5-40.5	Anionic	4.5-7.0	1.0-12.0		●	●		●			●			●	●			●	●	Michem® Lube 985	
Michem® Emulsion 62330	Paraffin / Polyethylene Wax blend	29.5-30.5	Anionic	9.4-10.4	> 7.0					●			●			●	●				●	Michem® Emulsion 62330	
Michem® Emulsion 66035	Paraffin / Polyethylene Wax blend	34.5-35.5	Anionic	9.3-10.3	> 7.0								●			●	●				●	Michem® Emulsion 66035	
Michem® Lube 511	Paraffin / Polyethylene Wax blend	34.5-35.5	Anionic	8.4-9.4	> 7.0					●			●			●	●				●	Michem® Lube 511	
Michem® Lube 693	Paraffin / Polyethylene Wax blend	38.5-39.5	Anionic	9.0-10.0	> 7.0					●			●			●	●				●	Michem® Lube 693	
Michem® Emulsion 52137	Polyethylene	36.5-37.5	Nonionic	8.5-9.5	2.0-12.0		●	●		●			●			●	●			●	●	Michem® Emulsion 52137	
Michem® Emulsion 67235	Polyethylene	34.5-35.5	Nonionic	9.7-11.0	> 7.0		●	●		●			●			●	●			●	●	Michem® Emulsion 67235	
Michem® Emulsion 91240G	Polyethylene	39.5-40.5	Nonionic	5.0-8.0	2.0-12.0	●	●	●								●	●			●	●	Michem® Emulsion 91240G	
Michem® Wood Coating 44	Proprietary	43.5-44.5	Anionic	8.0-10.0	> 6.0					●						●	●					Michem® Wood Coating 44	
Michem® Wood Coating 50	Proprietary	29.0-31.0	Anionic	8.8-10.3	> 6.0					●						●	●					Michem® Wood Coating 50	
Michem® Wood Coating 75	Proprietary	29.0-31.0	Anionic	8.3-10.3	> 6.0					●						●	●					Michem® Wood Coating 75	
Michem® Emulsion 70750	Scale Wax	48.0-52.0	Anionic	9.5-10.5	> 7.0					●			●			●	●			●	●	Michem® Emulsion 70750	
Michem® Emulsion 71150	Scale Wax	50.0-51.0	Anionic	9.5-10.5	> 7.0					●			●			●	●			●	●	Michem® Emulsion 71150	
Michem® Emulsion 73550	Scale Wax	49.5-50.5	Cationic	4.5-6.5	> 7.0					●						●	●					Michem® Emulsion 73550	
NatureShield® 30	Organic	29.5-30.5	Anionic	8.0-9.0	> 7.0					●						●	●					NatureShield® 30	
NatureShield® 31	Organic	29.5-30.5	Anionic	7.7-8.7	> 7.0					●						●	●					NatureShield® 31	
NatureShield® 40	Organic	39.5-40.5	Anionic	7.0-9.0	7.0-12.0		●			●						●	●					NatureShield® 40	
Michem® Emulsion 25317	Synthetic Wax blend	16.5-17.5	Anionic	8.5-10.0	> 7.0		●	●	●					●		●	●					Michem® Emulsion 25317	
Michem® Emulsion 51715	Synthetic Wax blend	15.0-16.0	Nonionic	7.5-10.0	> 7.0	●	●	●								●	●					Michem® Emulsion 51715	
<b>Dispersion</b>																							
Michem® Guard 3716	Amide	15.0-17.0	Nonionic	6.0-8.0	2.0-12.0	●	●	●		●			●			●	●				●	Michem® Guard 3716	
Michem® Guard 1350	Polyethylene	49.5-50.5	Nonionic	7.0-8.0	4.0-10.0	●	●	●		●						●	●				●	Michem® Guard 1350	
Michem® Guard 7140	Polyethylene	39.5-40.5	Anionic	5.0-7.0	4.0-10.0	●	●	●		●						●	●					Michem® Guard 7140	
Michem® Glide 37	PTFE	49.5-50.5	Nonionic	3.0-7.0	2.0-12.0	●	●	●		●			●			●	●				●	Michem® Glide 37	
<b>Specialty Dispersion</b>																							
Michem® Disperion 91530	Acrylic Resin	29.0-31.0	-	8.2-9.7	-								●	●						●	●	Michem® Disperion 91530	
Michem® Prime 4983-40R	Ethylene Acrylic Acid Copolymer	39.0-41.0	Ammoniated dispersion	7.4-8.4	> 7.0											●	●				●	Michem® Prime 4983-40R	
Michem® Prime 4983R	Ethylene Acrylic Acid Copolymer	24.2-25.4	Ammoniated dispersion	8.4-9.4	> 7.0											●	●				●	Michem® Prime 4983R	

●● Strongly recommended ● Recommended