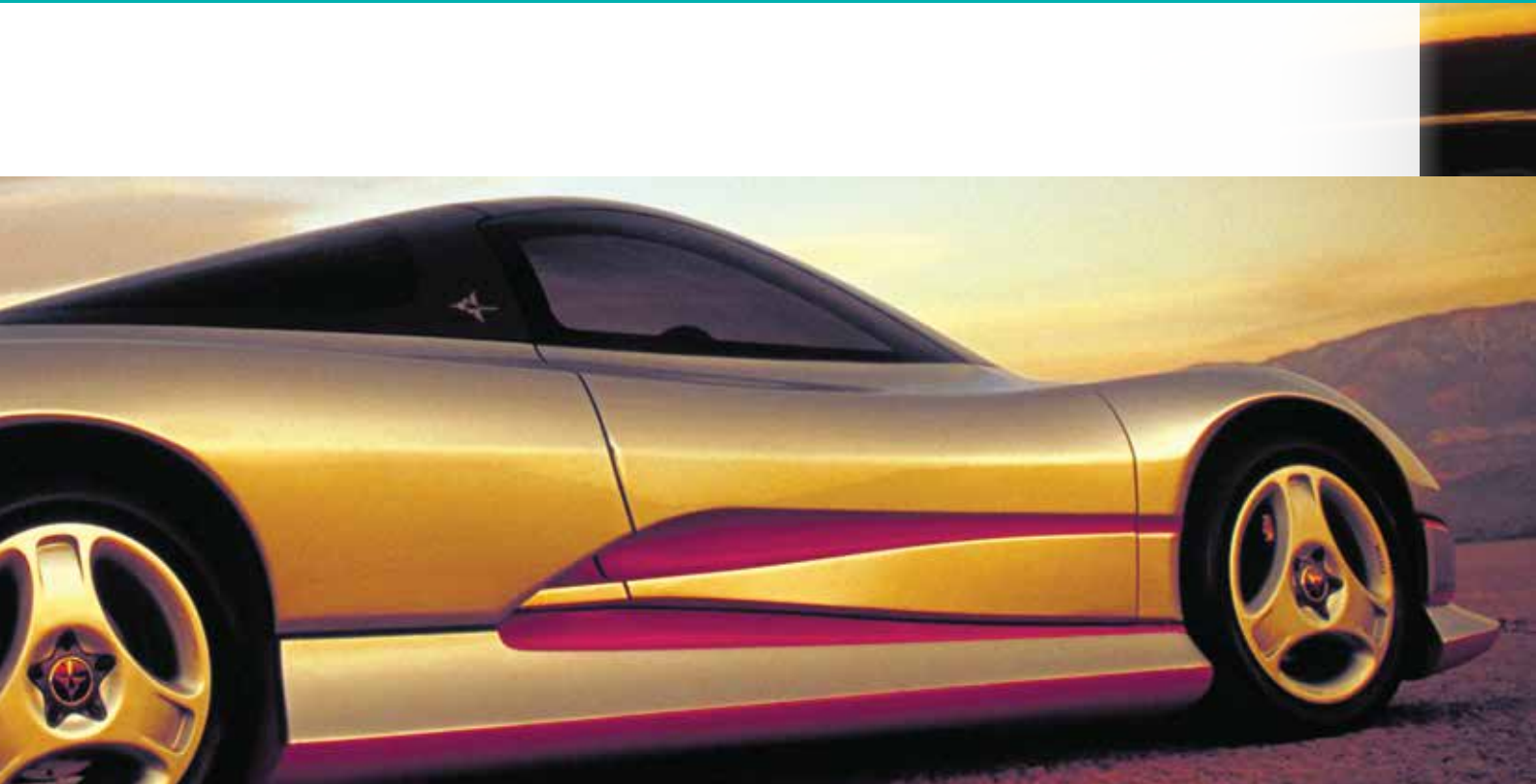




Automotive  
Solutions



# Automotive Appearance Chemicals Product Selection Guide



# AUTOMOTIVE SURFACES: Performance-Enhancing Solutions from Dow Corning

Dow Corning provides an array of performance-enhancing solutions for manufacturers of products for automotive surfaces, including waxes, polishes, and tire and vinyl protectants. Dow Corning's silicone-based innovations offer choices that allow manufacturers to differentiate their products by improving shine and durability while modifying water beading potential, sheeting effect and feel.

Silicones impart a range of perceived benefits to automotive surface products destined for use in the institutional, body shop and retail markets. Benefits include:

- Application ease
- Gloss
- Depth of gloss, also known as color enhancement
- Durability and detergent resistance
- Water repellency
- Ease of buff or rub-out

XIAMETER<sup>®</sup> PMX-200 Silicone Fluids from Dow Corning set the industry standard for many automotive surface applications.

These fluids, plus other

*Dow Corning*<sup>®</sup>, XIAMETER<sup>®</sup> and *Dow Corning* Toray brand products, including organo-modified polysiloxanes, resins and additional product types, offer manufacturers almost unlimited possibilities for their formulations.

## **Introduction to This Product Selection Guide**

From start to finish, formulating automotive surface products has never been easier. The tables in this guide will assist you in making the right choices to secure the product properties you seek. Table I describes in general terms the benefits achieved by using products from Dow Corning, while Tables II and III allow you to compare products based on a given application. Benefits may vary depending on the actives delivery mechanisms considered in your formulation. Contact Dow Corning for technical support, or visit [dowcorning.com/autocare](http://dowcorning.com/autocare).



# Table I: Application Selector Guide

Target Application ▶ Benefit ▼	Wash and Rinse Aid	Exterior Wax, Conditioner and Sealant	Exterior Trim Protectant	Upholstery Care	Interior Trim Renovator	Leather Conditioner	Glass Care	Vinyl Protectant	Tire Care						
Water-Based	Gloss	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1015 Emulsion XIAMETER® MEM-1865 Emulsion XIAMETER® MEM-1473 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1015 Emulsion XIAMETER® MEM-1865 Emulsion XIAMETER® MEM-0039 Emulsion		XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0039 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-1473 Emulsion XIAMETER® MEM-1015 Emulsion XIAMETER® MEM-1171 Emulsion XIAMETER® MEM-0039 Emulsion		Dow Corning® 193C Fluid	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-0039 Emulsion XIAMETER® MEM-1171 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1015 Emulsion XIAMETER® MEM-1716 Emulsion					
		Durability	XIAMETER® MEM-8035 Emulsion Dow Corning Toray FZ-4658	XIAMETER® MEM-8035 Emulsion Dow Corning Toray BY 22-749 SR Emulsion	XIAMETER® MEM-8035 Emulsion Dow Corning HV 495 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1101 Emulsion		XIAMETER® MEM-8035 Emulsion Dow Corning HV 495 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1171 Emulsion			XIAMETER® MEM-8035 Emulsion	XIAMETER® MEM-8035 Emulsion Dow Corning Toray BY 22-729 EX Emulsion Dow Corning HV 495 Emulsion XIAMETER® MEM-1101 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1716 Emulsion				
			Ease of Use	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion		XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion		XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion			
				Water Beading	Dow Corning Toray FZ-4658 XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1665 Emulsion	Dow Corning Toray BY 22-749 SR Emulsion	XIAMETER® MEM-8035 Emulsion			XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-1665 Emulsion			XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1101 Emulsion XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1716 Emulsion		
					Leveling	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-1473 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-0039 Emulsion XIAMETER® MEM-1473 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-0039 Emulsion XIAMETER® MEM-1473 Emulsion		XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-1473 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1171 Emulsion XIAMETER® MEM-8035 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-0039 Emulsion XIAMETER® MEM-1473 Emulsion	Dow Corning® 193C Fluid		XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-1473 Emulsion	
						Paintability		XIAMETER® MEM-5009 Emulsion Dow Corning® 2418 Release Emulsion	XIAMETER® MEM-5009 Emulsion Dow Corning® 2418 Release Emulsion		Dow Corning® 2418 Release Emulsion			XIAMETER® MEM-5009 Emulsion Dow Corning® 2418 Release Emulsion	

continued ...

**Table I: Application Selector Guide** (continued)

Target Application ▶ Benefit ▼	Wash and Rinse Aid	Exterior Wax, Conditioner and Sealant	Exterior Trim Protectant	Upholstery Care	Interior Trim Renovator	Leather Conditioner	Glass Care	Vinyl Protectant	Tire Care
Water-Based	Wetting	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1665 Emulsion			XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1171 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-1665 Emulsion	XIAMETER® OFX-5211 Superwetting Agent Dow Corning® 193C Fluid	XIAMETER® MEM-1716 Emulsion	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-1101 Emulsion XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1716 Emulsion XIAMETER® MEM-1171 Emulsion
	Slip	XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1665 Emulsion	XIAMETER® MEM-1865 Emulsion XIAMETER® MEM-1101 Emulsion XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1171 Emulsion XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-0346 Emulsion	XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion		XIAMETER® MEM-1716 Emulsion	XIAMETER® MEM-1716 Emulsion XIAMETER® MEM-8035 Emulsion XIAMETER® MEM-1171 Emulsion XIAMETER® MEM-1101 Emulsion XIAMETER® MEM-1665 Emulsion XIAMETER® MEM-0349 Emulsion XIAMETER® MEM-0346 Emulsion
	Color Enhancement		Dow Corning® HV 495 Emulsion XIAMETER® MEM-1865 Emulsion XIAMETER® MEM-1101 Emulsion	Dow Corning® HV 495 Emulsion XIAMETER® MEM-1865 Emulsion XIAMETER® MEM-1101 Emulsion		Dow Corning® HV 495 Emulsion XIAMETER® MEM-1865 Emulsion XIAMETER® MEM-1101 Emulsion	Dow Corning® HV 495 Emulsion XIAMETER® MEM-1865 Emulsion XIAMETER® MEM-1101 Emulsion		

**Table I: Application Selector Guide** (continued)

Target Application ► Benefit ▼	Wash and Rinse Aid	Exterior Wax, Conditioner and Sealant	Exterior Trim Protectant	Upholstery Care	Interior Trim Renovator	Leather Conditioner	Glass Care	Vinyl Protectant	Tire Care
<b>Gloss</b>		XIAMETER® PMX-200 Silicone Fluid (350-1,000 cSt) XIAMETER® OFX-0531 Fluid XIAMETER® RSN-3527 Resin XIAMETER® RSN-1912 Resin <i>Dow Corning®</i> 2-5088 Wax	XIAMETER® PMX-200 Silicone Fluid (350-1,000 cSt) XIAMETER® OFX-0531 Fluid XIAMETER® RSN-3527 Resin XIAMETER® RSN-1912 Resin		XIAMETER® PMX-200 Silicone Fluid (350-1,000 cSt)	XIAMETER® PMX-200 Silicone Fluid (350-1,000 cSt) <i>Dow Corning®</i> 2-5088 Wax		XIAMETER® PMX-200 Silicone Fluid (350-1,000 cSt)	XIAMETER® PMX-200 Silicone Fluid (350-1,000 cSt)
<b>Durability</b>	XIAMETER® OFX-8630 Fluid	XIAMETER® OFX-0536 Fluid XIAMETER® OFX-0531 Fluid XIAMETER® RSN-3527 Resin XIAMETER® RSN-1912 Resin <i>Dow Corning®</i> 593 Fluid <i>Dow Corning®</i> 2-5088 Wax XIAMETER® OFX-8630 Fluid	XIAMETER® RSN-3527 Resin <i>Dow Corning®</i> 593 Fluid <i>Dow Corning®</i> 2-5088 Wax XIAMETER® RSN-1912 Resin			<i>Dow Corning®</i> 2-5088 Wax			XIAMETER® PMX-200 Silicone Fluid (12,500-60,000 cSt) XIAMETER® OFX-8630 Fluid XIAMETER® RSN-3527 Resin <i>Dow Corning®</i> 593 Fluid XIAMETER® RSN-1912 Resin
<b>Ease of Use</b>		XIAMETER® PMX-200 Silicone Fluid (50-1,000 cSt) XIAMETER® OFX-0531 Fluid	XIAMETER® PMX-200 Silicone Fluid (50-1,000 cSt) XIAMETER® OFX-0531 Fluid		XIAMETER® PMX-200 Silicone Fluid (50-1,000 cSt)	XIAMETER® PMX-200 Silicone Fluid (50-1,000 cSt)		XIAMETER® PMX-200 Silicone Fluid (50-1,000 cSt)	XIAMETER® PMX-200 Silicone Fluid (50-1,000 cSt)
<b>Water Beading</b>	XIAMETER® PMX-0245 Fluid XIAMETER® PMX-200 Silicone Fluid XIAMETER® OFX-8630 Fluid	XIAMETER® RSN-3527 Resin XIAMETER® RSN-1912 Resin XIAMETER® OFX-0531 Fluid <i>Dow Corning®</i> 2-5088 Wax XIAMETER® PMX-200 Silicone Fluid	<i>Dow Corning®</i> 593 Fluid XIAMETER® OFX-0531 Fluid XIAMETER® OFX-0536 Fluid <i>Dow Corning®</i> 2-5088 Wax XIAMETER® PMX-200 Silicone Fluid	XIAMETER® FBL-0563 Formulated Blend	<i>Dow Corning®</i> 593 Fluid XIAMETER® RSN-1912 Resin XIAMETER® RSN-3527 Resin XIAMETER® PMX-200 Silicone Fluid	<i>Dow Corning®</i> 2-5088 Wax	XIAMETER® RSN-3527 Resin	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® RSN-1912 Resin <i>Dow Corning®</i> 593 Fluid XIAMETER® RSN-3527 Resin XIAMETER® PMX-200 Silicone Fluid
<b>Leveling</b>	XIAMETER® PMX-0245 Fluid	XIAMETER® PMX-200 Silicone Fluid <i>Dow Corning®</i> 593 Fluid	XIAMETER® PMX-200 Silicone Fluid		XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid		XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-0244 Fluid XIAMETER® PMX-0245 Fluid <i>Dow Corning®</i> OS-2 Silicone Cleaner and Surface Prep Solvent
<b>Paintability</b>		<i>Dow Corning®</i> 2-5088 Wax XIAMETER® OFX-0203 Fluid XIAMETER® OFX-0230 Fluid	XIAMETER® OFX-0203 Fluid XIAMETER® OFX-0230 Fluid		XIAMETER® OFX-0203 Fluid XIAMETER® OFX-0230 Fluid	<i>Dow Corning®</i> 2-5088 Wax		XIAMETER® OFX-0203 Fluid XIAMETER® OFX-0230 Fluid <i>Dow Corning®</i> 2-5088 Wax	XIAMETER® OFX-0230 Fluid XIAMETER® OFX-0203 Fluid
<b>Dry Finish</b>		<i>Dow Corning®</i> 2-5088 Wax				<i>Dow Corning®</i> 2-5088 Wax			
<b>Wetting</b>	XIAMETER® PMX-0245 Fluid	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid		XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-0244 Fluid XIAMETER® PMX-0245 Fluid XIAMETER® PMX-0345 Fluid <i>Dow Corning®</i> OS-2 Silicone Cleaner and Surface Prep Solvent XIAMETER® PMX-200 Silicone Fluid
<b>Slip</b>		XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid	XIAMETER® PMX-200 Silicone Fluid		XIAMETER® PMX-200 Silicone Fluid	
<b>Color Enhancement</b>		XIAMETER® PMX-200 Silicone Fluid (10,000-60,000 cSt)	XIAMETER® PMX-200 Silicone Fluid (10,000-60,000 cSt)		XIAMETER® PMX-200 Silicone Fluid (10,000-60,000 cSt)	XIAMETER® PMX-200 Silicone Fluid (10,000-60,000 cSt)			XIAMETER® PMX-200 Silicone Fluid (10,000-60,000 cSt)

Solvent-Based

**Table II: Solvent-Based Product Comparison**

Description	Currently Available in These Geographic Areas	Product	Functions, Benefits and Recommendations	Shine
Volatile Silicone	Global	XIAMETER® PMX-200 Silicone Fluid, 0.65 cs	Volatile, low-viscosity fluids designed for use as carriers, high-performance/non-VOC <sup>3</sup> solvents and cleaning aids in a wide range of automotive polish formulations; effective wetting properties deliver actives to the automotive surface; slip, water repellency and gloss characteristics are present for a limited time; replace mineral seal oil in rinse aids; effective microemulsions can be achieved when combined with silicone surfactants.	
	Global	<i>Dow Corning</i> ® OS-2 Silicone Cleaner and Surface Prep Solvent		
	Global	XIAMETER® PMX-1184 Fluid		
	Global	XIAMETER® PMX-0244 Fluid		
	Global	XIAMETER® PMX-0245 Fluid		
	Global	XIAMETER® PMX-0345 Fluid		
Silicone Fluid	Global	XIAMETER® PMX-200 Silicone Fluid	High-viscosity fluids provide excellent depth of gloss and improvements in durability and water resistance; useful in solvent-based formulations; blend of intermediate- and high-viscosity fluids recommended to achieve a good balance in gloss, application ease and rub-out; a 3:1:1 ratio of 350, 1,000 and 12,500 cSt products optimizes shine and durability; products are available in emulsion form.	••••
				••••
Amino Functional Silicone	Global	XIAMETER® OFX-0531 Fluid	Offering enhanced durability, detergent resistance and corrosion resistance; offered in crosslinkable (curable) and non-crosslinkable versions; curable products produce a continuous film; non-crosslinkable products offer excellent stability and shelf life; deposit and adhere strongly to automobile finishes, chrome and aluminum surfaces.	•••••
	Global	XIAMETER® OFX-0536 Fluid		••
	Global	XIAMETER® OFX-8630 Fluid		•
Alkylaryl Functional Fluid	Global	XIAMETER® OFX-0203 Fluid	Have properties similar to intermediate-viscosity fluids, but with alkyl functionality; serve as actives for leather conditioners; provide preferred technologies to formulate products for body shop use.	•••
	Global	XIAMETER® OFX-0230 Fluid		
Silicone Wax	Global	<i>Dow Corning</i> ® 2-5088 Wax	Serves as active for leather conditioners; provides preferred technologies to formulate products for body shop use; serves as an ingredient for hard waxes, paintable polishes, wax conditioners, polishes and polymer sealants.	••••
Emulsifier Wetting Agent	Global	XIAMETER® OFX-0190 Fluid	Cleaning and wetting properties; lubricity in glass cleaners; ability to be used in water-in-oil and water-in-silicone emulsions makes them unique to formulate non-VOC products; XIAMETER® OFX-0190 Fluid, XIAMETER® OFX-0193 Fluid and XIAMETER® OFX-3667 Fluid are suited for co-surfactants; XIAMETER® OFX-0193 Fluid for anti-fog applications; <i>Dow Corning</i> ® 3225C Formulation Aid for water-in-silicone emulsions; <i>Dow Corning</i> ® 5200 Formulation Aid for water-in-oil emulsions.	•
	Global	XIAMETER® OFX-0193 Fluid		•
	Global	<i>Dow Corning</i> ® 3225C Formulation Aid		
	Global	XIAMETER® OFX-3667 Fluid		
	Global	<i>Dow Corning</i> ® 5200 Formulation Aid		••••
Silicone Resin	Global	<i>Dow Corning</i> ® 593 Fluid	Long-lasting water durability and repellency that protects automotive surfaces; preferred when enhanced water beading is desired; some can be reacted with catalyst agents to formulate fabric water repellents.	••
	Global	XIAMETER® FBL-0563 Formulated Blend		
	Global	XIAMETER® RSN-1912 Resin		••••
	Global	XIAMETER® RSN-3527 Resin		•••

<sup>1</sup> Comparison Ratings (••••• = Best; • = Moderate). Note: Ratings are a preliminary guideline only. See product data sheets for detailed information. All tested products have been tested at 5% actives on automotive panels using a suitable solvent.

<sup>2</sup> The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

<sup>3</sup> VOC = Volatile Organic Compounds, according to the U.S. Clean Air Act. Contact Dow Corning for product compliance in your area.

<sup>4</sup> California Air Resources Board.

Comparison Ratings<sup>1</sup>

Durability	Ease of Use	Wetting	Slip	Viscosity, cSt <sup>2</sup>	% Actives	Notes
	•••••	•••••		0.65	100	Volatile carrier; CARB <sup>4</sup> compliant
		••••		0.78	100	
				1.6	100	Not tested for comparison ratings
				2.5	100	Volatile carrier; CARB <sup>4</sup> compliant; not tested for comparison ratings
	•••••	•••••		4.0	100	Volatile carrier; CARB <sup>4</sup> compliant
	•••••	•••••		5.0	100	Volatile carrier; CARB <sup>4</sup> compliant
••	••••	••••	•••••	50 - 1,000	100	
••••	••	•	••••	10,000 - 60,000	100	
•••	•••	••	•	160	50	
•••••	•••	•	••	40	100	
••••	•••	••	••	500	100	
•••	•••	•••	•	1,200	100	
				1,125 - 1,645	100	Not tested for comparison ratings
••••	••		•	-	100	Melt at 70°C prior to use
				2,000	100	Not tested for comparison ratings
	•••••	•••••	•	400	100	
•	•••	•••	•	700	100	
				200 - 500	100	Not tested for comparison ratings
•	••	••	•	2,500	100	
••	••••	••••	•••	700	100	
				7	42	Air-drying, air-curing; imparts a high degree of water repellency on natural and synthetic fabrics; not tested for comparison ratings
••	••••	••••	•••	700	100	
•••	•••	•••	••	2,000	100	

**Table III: Water-Based Product Comparison**

				Comp	
Description	Currently Available in These Geographic Areas	Product	Functions, Benefits and Recommendations	Shine	Durability
Silicone Fluid Emulsion	Americas, Asia	XIAMETER® MEM-0349 Emulsion	Preferred for water-based formulations, these emulsions and microemulsions offer significant advantages when formulating flexibility is desirable; good compatibility; good surface abrasion characteristics; good gloss, minimum smear; for use in automotive polishes and rubber/vinyl protectant formulations, cleaning properties; provide proven performance, reliable quality and speed to market; the small particle size of the microemulsion products offers better penetration, improved wetting out, more consistent coatings.	•••••	•••
	Americas, Asia	XIAMETER® MEM-0039 Emulsion		••	••
	Americas	XIAMETER® MEM-1171 Emulsion		•••••	••
	Americas	XIAMETER® MEM-1665 Emulsion		••	••••
	Americas	XIAMETER® MEM-1101 Emulsion		•••	••
	Europe	XIAMETER® MEM-0346 Emulsion		•••••	••••
	Europe	XIAMETER® MEM-1473 Emulsion		•••••	••••
	Global	XIAMETER® MEM-0347G Emulsion		•••	••
	Europe	XIAMETER® MEM-1015 Emulsion		•••••	••••
	Global	<i>Dow Corning®</i> HV 495 Emulsion		•••••	•••••
Silicone Fluid Microemulsion	Global	XIAMETER® MEM-1716 Emulsion		•••	••
	Global	XIAMETER® MEM-1865 Emulsion		••	•••
Amino Functional Silicone Emulsion	Global	XIAMETER® MEM-8035 Emulsion	Provide outstanding bonding and adhesion properties to automotive finishes, allowing repeated washings and adverse weather conditions.	•••	•••••
Alkylaryl Functional Silicone Emulsion	Global	XIAMETER® MEM-5009 Emulsion	Have properties similar to intermediate-viscosity fluids, but with alkyl functionality; serve as actives for leather conditioners; provide preferred technologies to formulate products for body shop use.	••	••
	Europe	<i>Dow Corning®</i> 2418 Release Emulsion		•••	•••
Amino Emulsion	Japan	<i>Dow Corning®</i> BY 22-729 EX Emulsion	Provides durability to tire treatment products.	••	•••••
Resin Emulsion	Japan	<i>Dow Corning®</i> BY 22-749	Provides durable water repellency to liquid car polish products, tire treatment products.	•••	•••••
Amino Microemulsion	Japan	<i>Dow Corning®</i> FZ-4658	Provides durable water repellency to shampoo for automated car washes; the small particle size prevents blockage in the pipes of the washing mechanism.	•••	•••••

<sup>1</sup> Comparison Ratings (••••• = Best, • = Moderate). Note: Ratings are a preliminary guideline only. See product data sheets for detailed information. All tested products have been tested at 5% actives on automotive panels using a suitable solvent.



Comparison Ratings<sup>1</sup>

Ease of Use	Wetting	Slip	Viscosity, cSt ( <sup>2</sup> polymer viscosity for the emulsion products)	% Actives	Emulsifier Type	Free of APEO Surfactants	Compliant with European Detergent Regulations EC 648/2004	Notes
•••••	•••	••	350 <sup>‡</sup>	60	Nonionic	Yes	Yes	
•••	••	•	350 <sup>‡</sup>	35	Nonionic	Yes	Yes	
•••••	•••	•••••	approximately 550 <sup>‡</sup>	50	Nonionic			Low-odor
•••	•••	••	1,000 <sup>‡</sup>	60	Slightly cationic	Yes		Emulsifiers are readily biodegradable
•••	•••	•••••	125,000 <sup>‡</sup>	60	Anionic	Yes		
•••••	•••	••	350 <sup>‡</sup>	60	Nonionic	Yes	Yes	
•••	•••	•	400	50	Nonionic	Yes	Yes	
•••••	•••	•	OH functional	60	Nonionic	Yes	Yes	
•••••	•••	•••••	1,000 <sup>‡</sup>	60	Slightly anionic	Yes	Yes	
•	•••	••	100,000 <sup>‡</sup>	35	Anionic	Yes	Yes	
••	••	•••••	10,000 <sup>‡</sup>	30	Cationic	Yes	Yes	Clear translucent
••	••	•••••	12,500 <sup>‡</sup>	25	Anionic/ nonionic	Yes	Yes	Translucent
••	•	•••••	-	35	Cationic	Yes	Yes	
•••	•••	••	-	50	Nonionic	Yes		Emulsifiers are readily biodegradable
•••	•••	•	-	50	Nonionic	Yes	No	
•	•	•••		20	Nonionic	Yes		
•••••	•••	••		70	Nonionic	Yes		
•••••	•••	•••		15	Nonionic	Yes	Yes	Translucent gray



## Two Brands to Serve You

Whether you need industry-leading innovation or greater cost efficiency, Dow Corning can help. *Dow Corning*<sup>®</sup> brand solutions are dedicated to meeting your needs for specialty materials, collaborative problem-solving and innovation support. Learn how we can help you at [dowcorning.com/autocare](http://dowcorning.com/autocare).

If you need to buy high-quality, standard silicone materials at market-based prices, we can help you achieve that through our Web-enabled XIAMETER<sup>®</sup> brand and business model. Learn more at [www.xiameter.com](http://www.xiameter.com).

## How To Contact Us

Dow Corning has sales offices and manufacturing sites, as well as science and technology laboratories, around the globe. Telephone numbers of locations near you are available at [dowcorning.com/ContactUs](http://dowcorning.com/ContactUs). Or email us: [specialtychemicals@dowcorning.com](mailto:specialtychemicals@dowcorning.com)

Photos: 1 – AV09029 (main), AV09037 (background); 2 – AV09038 (main), AV09036 (background); 3 – AV09033 (background); 4-5 – AV09029 (background); 6-9 – AV09028 (background)

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