TECTYL® PROTECTIVE COATINGS

DAUBERT CHEMICAL COMPANY, INC.

PRODUCT INFORMATION

CAVITY WAXES

Cavity wax plays an important role in protecting an automobile from internal corrosion damage. Also referred to a rustproofing wax, this **TECTYL®** product line consists of corrosion preventatives that leave a long-term protective film for enclosed automotive body sections. The product is usually spray applied using a wand or hose that allows the user to spray deep inside car doors, frames, and various other voids. The resulting wax-like film will repel water, self-heal, remain flexible at low temperatures, and provide long-term corrosion protection for automotive primed and unprimed surfaces.

TECTYL® 518 and **553** have the quicker dry times thanks to the solvent-based carrier**. TECTYL® 4814** and **TECTYL® 7449** are non-flammable, lower VOC options for users that require these options in their work environment.

LABORATORY DATA	518	553	4814	7449
Liquid Appearance	Amber			White
Dry Film Color	Tan			
Film Type	Wax-like			
Carrier	Solvent-Based	Solvent-Based	Solvent-Free	Water-Based
Non-Volatile by Weight	57.70%	58%	>99%	46.5%
Non-Volatile by Volume	48.70%	47.3%	>99%	46.9%
V.O.C. (lbs/gal minus water)	3.29	3.43	0.10	0.21
Viscosity Brookfield	26,000 cPs RV Spindle #5 @ 10 rpm	10,000 cPs RV Spindle #4 @ 10 rpm	4,500 cPs RV Spindle #4 @ 10 rpm	5,500 cPs LV Spindle #4 @ 10 rpm
Weight per Gallon	7.85	8.13	8.5	8.2
Specific Gravity	0.94	0.98	1.02	0.98
Flash Point, PMCC*	105˚F		395°F	None; Water-Based
Removal: Wet and Dry Film	Mineral Spirits or Citrus Based Cleaners			
Impervious to Water After Application	15 minutes			90 minutes

ACCELERATED CORROSION TESTS	518	553	4814	7449
Applied Thickness	5 mils	2 mils	2 mils	4 mils
5% Salt Spray (Hours) ASTM* B-117	1,500	1,000	1,000	1,000
100% Relative Humidity (Hours) ASTM* D-1748	2,000	1,000	1,000	1,000
High Temperature Sag Resistance @ 100°C at 4 mils	No sag			
Cold Bend -30°C	No cracking or loss of adhesion			
Topcoat Film Staining, 100 hours @ 80°C	No staining observed			
Effect on Rubber Components	Does not affect rubber found in automotive use			

APPLICATION

TECTYL® 518, TECTYL® 553, TECTYL® 4814 and TECTYL 7449 can be applied using conventional underbody rustproofing equipment. Daubert recommends a 15:1 airless pump or greater that can deliver 800 – 1200 psi to a 0.017 to 0.025 reverse-a-clean tip. These products should be applied at temperatures above 50°F to allow for proper film formation. These products are impervious to water 15 minutes after application.

TECTYL® 7449 is a water-based product, but has been proven to be freeze/thaw stable. However, it is still recommended that this product be stored above freezing temperatures. Application of this product should occur above 50°F. If frozen, this product should be thawed gradually with gentle heating and thoroughly mixed before use. This product is impervious to water 90 minutes after application.

STORAGE

When the product has sat for 1+ month, or seen extreme cold/hot temperatures during storage, it will have a tendency to form a wax gel. This will make the product difficult to pump and appear high in viscosity. This can be corrected by mixing the container before use. While using an electronic or air driven drum/tote mixer is ideal, the mixing can also be achieved with a paddle like tool and manual mixing.

The paddle like tool should be of metal or plastic, though a coated and sealed wooden paddle will also suffice. Manual mixing may take 5-15+ minutes depending made on the force applied. The product will visibly thin and begin to flow once proper mixing is achieved to break the wax gel.

*PMCC (Penske Martin Closed Cup)
**ASTM (American Society for Testing and Materials)
Please Refer to SDS or Contact Daubert Chemical Company for Additional Information

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