

PRODUCT INFORMATION

MILITARY HOT-APPLIED PRESERVATIVE AND SEALING COMPOUNDS

Military Specification MIL-C-11796C and MIL-PRF-18487A

TECTYL® 435D and **TECTYL® 437** are corrosion preventive compounds designed for the US Military that provide a long-term effective barrier against atmospheric corrosion. These products require hot application, and the resulting film is firm and tan in color. Both products are approved for use as preservative and sealing compounds under **Military Specification MIL-C-11796C** titled “Corrosion Preventive Compound, Petrolatum, Hot Application.”

TECTYL® 828 is a solvent free, hot application rust preventative for long-term protection of machined parts in indoor and outdoor storage conditions. This product is approved for use as a preservative and sealing compound under **Military Specification MIL-PRF-18487A**.

Both **TECTYL® 435D** and **TECTYL® 437D** are approved by the US Military listed on **QPL-11796C**. **TECTYL® 435D** is approved under **Class 1** and **Class 1A**. **TECTYL® 437D** is listed under **Class 3**. **TECTYL® 828** is approved under **Class 3**.

PRODUCT INFORMATION

LABORATORY DATA	Class 1 & 1A	Class 3	Class 3
	MIL-PRF-11796C	MIL-PRF-11796C	MIL-PRF-18487A
	435D	437D	828
Liquid Appearance	Tan	Tan	Amber
Dry Film Color	Tan	Tan	Amber
Film Type	Firm, Wax-like	Firm, Wax-like	Wax-like
Non-Volatiles by Weight	>99%	>99%	97%
Non-Volatiles by Volume	>99%	>99%	96%
Specific Gravity	0.901	0.92	0.87
Weight per Gallon	7.5	7.66	7.25
V.O.C. (lbs/gal minus water)	0	0	0.30
Viscosity	20 cTs @ 212°F	35 cTs @ 212°F	20 cSt @ 212°F
Penetration @ 77°F	49 mm	211 mm	95 mm
Flash Point	350°F	350°F	300°F
Dry Film Thickness	1.5 mils	1.5 mils	1.5 mils
Coverage (sq.ft/gal)	145	145	1,000
High Flow Temperature	150°F	162°F	140°F
Melting Point	175°F	211°F	150°F - 160°F
Removal: Wet and Dry Film	Mineral Spirits or Citrus Based Cleaners		

PROTECTIVE PROPERTIES	Class 1 & 1A	Class 3	Class 3
	435D	437D	828
5% Salt Spray (Hours) ASTM* B-117	500	500	500
100% Relative Humidity (Hours) ASTM* D-1748	720	720	720
Weathering Hours Federal Standard 141, Method 6151	300	300	300
Indoor Storage	5 - 10 years	5 years	1 year
Outdoor Storage	1 year	1 year	6 months

*ASTM (American Society for Testing and Materials)

APPLICATION

These products are supplied in open head containers and is a solid at room temperature. The products can be applied to clean, dry metal surfaces in the molten state by hot airless spray or dip at recommended temperatures.

TECTYL® 435D is recommended to be applied by dip at 180°F.

TECTYL® 437D is recommended to be applied by dip at 200°F.

TECTYL® 828 is recommended to be applied by dip at 150 - 190°F.

These products can also be applied at warm temperatures by brush or swab.

Please Refer to SDS or Contact Daubert Chemical Company for Additional Information

DAUBERT CHEMICAL COMPANY

4700 South Central Avenue, Chicago, IL 60638
1-800-688-0459 | 708-496-7350 | Fax: 708-496-7367

Visit our website at www.daubertchemical.com
Our e-mail is dauchem@daubert.com

