

Tectyl[®] 1771

Description

TECTYL[®] 1771 is a water-based corrosion preventive designed for application to automotive

underbodies and cavity sections. This compound will dry to a wax-like film.

LABORATORY DATA

Consistency	Tan colored, thixotropic liquid
Film Type	Tan colored wax-like film
Viscosity @ 77°F RV #4 @ 10rpm	8,000 cps
Non-Volatile Content (by weight)	47.5%
Non-Volatile Content (by volume)	48%
VOC (lbs/gal minus water)	0.30
Weight/Gallon	8.0
Specific Gravity	0.96
Flash Point	None - Water Base
Shelf Life	6 months (min.)
Removal: Wet Film (29 min after application)	Soap and water
Removal: Dry Film	Mineral Spirits
Freeze/Thaw Stability (5 cycles)	Excellent
Impervious to water	90 minutes
pH	9.5

APPLICATION

Tectyl[®] 1771 can be applied using conventional rustproofing equipment. Daubert recommends a 10:1 airless pump or greater that can deliver 800-1200 psi to a .017 to 0.25 reverse-a-clean tip. Tectyl 1771 should be applied at temperatures above 50 °F to allow for proper film formation.

Though Tectyl[®] 1771 has proven to be freeze/thaw stable, however, it is recommended that this product be stored above freezing temperatures. Application of this product should take place above 50°F. If frozen this product should be thawed gradually with gentle heating and thoroughly mixed before use.

Because Tectyl[®] 1771 uses water as the primary solvent, drying time is dependent on temperature, relative humidity and air circulation. This product should not be applied to a surface which is below freezing or which will be exposed to freezing temperatures without sufficient dry times.

CORROSION PREVENTIVE PROPERTIES

Parameters of Test

Substrate	Cold Rolled, Elpo, Plastisol, or Topcoated 4X6 Steel Panels
Coating Film Thickness	6 to 8 mils wet, 3 to 4 mils dry
Aging of Panels	72 hours @ 25°C

TEST	RESULTS
Humidity 100% Condensing - 1000 hours	No Corrosion observed
5% Salt Spray ASTM B-117 – 1000 hours	No defects; Less than 1 mm corrosion from scribe creep back
Gravelometer -20°C, GM 998-5448	Excellent Rating
Top Coat Cleanability, GM 998-5448	Removable with no staining
Top Coat Compatibility, GM 998-5448	No discoloration of top coat
Gravelometer -20°C / 336 Hours salt spray	GM 998-5448 Excellent rating
High Temperature Flow Resistance, 110°C	No sagging on 10 mil film
Light Water Wash Resistance, 90 Min Dry Time	Film remains intact, none removed

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