

Tectyl[®] 5164

Description

Tectyl[®] 5164 is a firm film undercoating material formulated to provide corrosion protection, sound deadening and moisture sealing properties to the underside of highway

trailers, bus bodies and automotive vehicles. Tectyl[®] 5164 meets the requirements of Federal Specification TT-C-520B.

Physical Properties

Odor
Film Type
Composition
Specific Gravity
Weight per Gallon
Non-Volatile by Weight
Non-Volatile by Volume
VOC
Viscosity (77°F.), Brookfield RV Spindle #5,
at 10 RPM
Solvent Type
Flash Point
Dry Time

Typical Properties

Mild, Petroleum-Solvent Odor
Semi-gloss Black, Firm Film
Asphalt-base Coating
1.09
9.1
63%
48%
3.4 lbs/gal
70,000 cps
Rule 66 Mineral Spirits
105°F.
4 Hrs. till Weatherproof
24 Hrs. Full Cure

Removability

Wet and dried films of Tectyl[®] 5164 can be removed using mineral spirits or kerosene.

Test Results

Test Substrate: 4 X 12-Inch Automotive Grade Cold Rolled Steel
Film Thickness: 20 mils wet; 9 mils dry
Dry Time: 7 days at 77°F.

[Test Results on back]

ALL TESTS IN ACCORDANCE TO MIL-C-62218-A

3.4.2.1	Creep - Metal to Metal Overlap	Pass - Over 0.25 inch penetration
3.4.3	Copper Corrosion	Pass - No effect on copper
3.4.4	Fire Resistance	Pass - Dry film does not support combustion
3.4.5	Detergent Resistance	Pass - Coating is not removed by carwash detergent
3.4.6	Chip Resistance	Pass - No loss of adhesion at 0°C
3.4.7	Solvent Vapor Wash	Pass - Coating does not flow due to solvent evaporation
3.4.8	Condition to Touch	Pass - Coating dries to touch in 4 hours; thoroughly dry in 24 hours.
3.4.9.1	Low Temperature Stability	Pass - Low temperature is not detrimental to coating
3.4.9.2	Low Temperature Spray-ability	Pass - Coating sprays and forms a film at 40°F.
3.4.9.4	High Temperature Spray-ability	Pass - Coating sprays without sagging at 100°F.
3.4.9.5	High Temperature Flow	Pass - Dry coating does not flow at 300°F.
3.4.9.6.1	Salt Fog 1500 Hrs.	Pass - Face corrosion less than 1%; scribe corrosion less than 1/8 inch from scribe
3.4.9.7	Salt Water Immersion	Pass - No loss of adhesion or corrosion after 21 days
3.4.9.8	Cyclic Environment Conditions	Pass - Less than 3% corrosion on panels after 30 cycles

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