



Product Data

Castrol Braycote[®] 194

Corrosion Preventive Compound Solvent Cutback
Cold Application, Transparent, Non-Tacky Film

Description

Castrol Braycote[®] 194 is a dark brown, liquid corrosion preventive compound intended for indoor exposure. It is a solvent cutback material designed for cold application, and dries in approximately two hours, leaving a firm, amber, transparent film that will not flow below 175°F (80°C).

Use

Castrol Braycote[®] 194 is designed to protect unpainted metal surfaces from the effects of indoor or shed exposure for periods up to one year. It is non-corrosive and readily wets the surfaces of commonly used metals, leaving a continuous film after evaporation of the solvent. This product may be applied by spray, dip or brush. A gallon will cover approximately 300 to 1,600 square feet, leaving a film 1 to 4 mils thick, depending upon method of application and surface geometry. Optimal performance can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. It is recommended that the metal substrate and ambient temperature be 50-95°F (10-35°C) at the time of product application.

Removal

Castrol Braycote[®] 194 can be removed from exposed surfaces by vapor degreasing, hot caustic, steam, or petroleum solvents.

Packaging

Castrol Braycote[®] 194 is available in 55 gallon drums and 5 gallon pails.

Specifications

Castrol Braycote[®] 194 meets the requirements of and is qualified to MIL-PRF-16173E, Class I, Grade 4.

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CASTROL BRAYCOTE® 194
TYPICAL PROPERTIES

TEST METHOD	DESCRIPTION	MIL-PRF-16173E CLASS I, GRADE 4 REQUIREMENTS	RESULT
Spec 4.6.11.7	Film Characteristics Transparency	Continuous and no cracks Pass	Pass Pass
Spec 4.6.5.1	Nonvolatile Content, %	54.0 - 60.0	55.3
Spec 4.6.1 D 86	Solvent Distillation Endpoint, °F (°C)	410 (212) Maximum	Pass
Spec 4.6.7	Sprayability @ 40°F (4°C), 35 psig Flow rate, gm/sec Quality of Coverage	1.0 Minimum Continuous	10.8 Pass
Spec 4.6.8	Corrosion, 7 days @ 130°F (55°C), Wt Change, mg/cm ² Brass Cadmium Zinc Magnesium Aluminum Steel	±1.0 Maximum ±5.0 Maximum ±7.5 Maximum ±0.5 Maximum ±0.2 Maximum ±0.2 Maximum	-0.108 -1.473 -1.424 -0.023 -0.003 -0.007
D 874	Sulfated Residue, %	3.96 - 4.82	4.48
D 93	Flash Point, PMCC, °F (°C)	100 (38) Minimum	106 (41)
Spec 4.6.10.1	Removability	Pass	Pass
Spec 4.6.11.2	Film Thickness, Mils	2.0 Maximum	1.0
Spec 4.6.11.3	Humidity Cabinet, Days	30 Days Minimum	Pass (30+)
Spec 4.6.11.4	Salt Spray, Days	14 Days Minimum	Pass (17+)
Spec 4.6.15	Flow Point, 4 Hrs @ 175°F (80°C)	Pass	Pass
Spec 4.6.12	Low Temperature Adhesion	No Flaking	Pass
D 97	Pour Point, °F (°C)	Report	0 (-18)
Spec 4.6.13	Film Drying and Tackiness	Pass	Pass
Spec 4.6.5.2	Volatile Organic Content	> 2.8 lbs/gal	3.24
Spec 4.6.6	Stability	Pass	Pass

Health, safety and environmental information are provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. Castrol will not accept liability if the product is used other than in the manner or with the precautions or for the purpose(s) specified. Before using the product other than directed, please contact Castrol for consultation.