



## Braycote 248

Corrosion Preventive Compound

### Description

Braycote™ 248 is designed to protect machined, unpainted metal surfaces from the effects of indoor or shed exposure for periods of six months or more. It is especially suitable for the preservation of anti-friction bearings in storage or shipment.

### Application

Braycote 248 may be applied by dipping at temperatures from 160°F to 180°F (71°C to 82°C). It may be brushed or swabbed on at room temperature when its consistency resembles a soft grease, or at elevated temperatures when it resembles an oil. Hot spray applications can be used for protecting large pieces of equipment that are too large in size for dipping applications. Optimal performance can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. The coverage of Braycote 248 will widely vary dependent on the method of application and surface geometries. Parts allowed to reach the temperature of the compound before removal from the tank. Approximate coverage and film thickness data for the different methods are given in the following table:

## Typical Characteristics

Name	Method	Units	MIL-C-11796C specification	Braycote 248
Unworked Penetration	ASTM D937 / DIN 51580	0.1 mm	200 - 250	217
Drop Melting point	ISO 6244 / ASTM D217	°C/°F	57 / 135 min.	71 / 160
Flash Point - open cup method	ISO 2595 / ASTM D92	°C/°F	177 / 350 min.	262 / 505
Sulphated Ash content	ISO 3987 / ASTM D874	% wt	0.15 / 0.05	0.19
Stability	MIL-C-11796C spec 4.6.2	Pass	No Separation or Foam	Pass
Volatility	MIL-C-11796C spec 4.6.3	%	1.0 max.	0.36
Miscibility with Grade 100 MIL-L-6082 oil	MIL-C-11796C spec 4.6.5	Pass	No separation	Pass
Abrasives	MIL-C-11796C spec 4.6.6	ml (Pass)	0.05 max	Pass
Applicability - Thickness of coating	MIL-C-11796C spec 4.6.8.1	Pass	1.50 +/-0.2	Pass
Humidity Cabinet - 30 days min.	MIL-C-11796C spec 4.6.8.1	Pass	Pass	Pass
<b>Corrosiveness:</b>				
Aluminium	MIL-C-11796C spec 4.6.8.3	mg/cm <sup>2</sup>	+/- 0.2 max.	0.019
Brass			+/- 0.2 max.	0.039
Cadmium			+/- 0.2 max.	0.0042
Steel			+/- 0.2 max.	0.049
Magnesium			+/- 0.5 max.	0.08
Zinc			+/- 0.2 max.	0.0038
Lead			+/- 1.0 max.	0.036
<b>Stain test:</b>				
Original material	MIL-C-11796C spec 4.6.8.4	Pass	Pass	Pass
5% Emulsion			Pass	Pass
15% Emulsion			Pass	Pass
Low Temperature adhesion	MIL-C-11796C spec 4.6.9	Pass	Pass	Pass
Flow Point	MIL-C-11796C spec 4.6.10	°C/°F	54 / 130 min.	Pass

Subject to usual manufacturing tolerances.

## Additional Information

### Removal

Braycote 248 may be removed by solvent or steam cleaning.

### Packaging

Braycote 248 is available in 400 pound drums, 35 pound pails and 12/1 pound cases.

### Specifications

Braycote 248 meets the requirements of specification and is qualified to MIL-C-11796C, Class 3. This product is identified by NATO Code: C-627.

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