

Protective Coating



FEATURES

- Easy to use
- Transparent
- Good general-purpose coating for laboratory use



RoHS
COMPLIANT

DESCRIPTION

Air-drying solvent-thinned (xylene) polyurethane. Transparent. Moderate hardness; good flexibility. Can be removed with *M-LINE* Rosin Solvent or toluene. Film thickness 0.005-0.01 in [0.1-0.25mm] per coat.

General-purpose coating for lab use, and as base coating for field applications. Must be fully cured before addition of other coatings. Fair moisture resistance. Not readily attacked by many solvents. Convenient to use.

CHARACTERISTICS

Cure Requirements:

Dries tack-free at room temperature in 20 minutes. Completely dry in 2 hours.

Normal cure 24 hours at room temperature. Chemical resistance and coating hardness increase for 6 to 7 days.

Operating Temperature Range:

Short Term: -100° to +300°F [-75° to +150°C].

Long Term: -100° to +250°F [-75° to +120°C].

Shelf Life:

Minimum 1 year at +75°F [+24°C].

PACKAGING OPTIONS

Kit:

4 brush-cap bottles (1oz [30ml] ea)

Bulk:

Quart container

Protective Coating



FEATURES

- Good resistance to chemicals
- Air drying
- Also used for priming leadwires



RoHS
COMPLIANT

DESCRIPTION

Air-drying solvent-thinned (MEK) nitrile rubber. Forms flexible rubbery coating. Do not use directly on exposed foil or bare leads. Often used to prime vinyl-insulated wire to improve bondability to other coatings. If used as primer on

leads, thin 50:50 with MEK. Flexible at cryogenic temperatures. Excellent resistance to gasoline, kerosene, commercial oils. Electrical properties poorer than other M-Coats, particularly at elevated temperatures.

CHARACTERISTICS

Cure Requirements:

Air-dries in 1 hour at +75°F [+24°C]. Do not apply subsequent protective coatings for at least 2 hours from time of application. Normal cure 24 hours at room temperature.

Further improve chemical resistance with 1 hour bake at +200°F [+95°C].

Operating Temperature Range:

Short Term: -320° to +300°F [-195° to +150°C].

Long Term: -320° to +200°F [-195° to +95°C].

Shelf Life:

Minimum 1 year at +75°F [+24°C].

PACKAGING OPTIONS

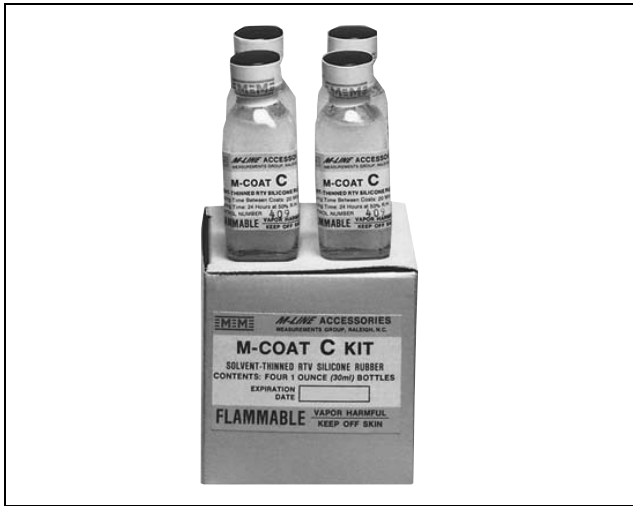
Kit:

4 brush-cap bottles (1oz [30ml] ea)

Bulk:

Quart container

Protective Coating



FEATURES

- Air drying
- Low reinforcement
- Transparent



RoHS
COMPLIANT

DESCRIPTION

Solvent-thinned (naphtha) RTV silicone rubber. Cures to tough, rubbery transparent film. Good all-around mechanical and electrical properties. Completely noncorrosive. Film thickness 0.015-0.02 in [0.4-0.5mm] per coat.

Recommended for lab and field installations that require a high degree of protection in thin coatings. Good water-splash protection. Good chemical resistance.

CHARACTERISTICS

Cure Requirements:

Solvents evaporate in about 60 minutes at room temperature. Allow 20 minutes drying time between coats.

Cures in 24 hours at +75°F [+24°C] and 50% RH. Longer cure at lower humidity.

Operating Temperature Range:

Short Term: -75° to +550°F [-60° to +290°C].

Long Term: -75° to +500°F [-60° to +260°C].

Shelf Life:

Minimum 9 months at +75°F [+24°C] kept tightly sealed.

PACKAGING OPTIONS

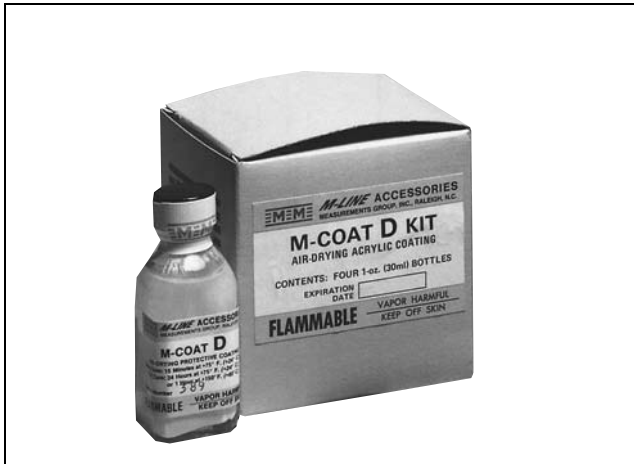
Kit:

4 brush-cap bottles (1oz [30ml] ea)

Bulk:

Quart container

Protective Coating



FEATURES

- Air drying
- Opaque
- Good base coating



RoHS
COMPLIANT

DESCRIPTION

Air-drying solvent-thinned (toluene) acrylic. Dense white color for easy visual inspection of coverage. Forms hard thin coating capable of high elongation. Can be removed with *M-LINE* Rosin Solvent or toluene. Apply in thin coats to prevent solvent entrapment. Film thickness 0.005-0.01 in [0.1-0.25mm] per coat.

Good general laboratory moisture barrier. Electrical leakage negligible even when uncured. Good base coating for subsequent applications of M-Coat B. Convenient for anchoring and insulating intrabridge wiring and jumper leads. Chemical resistance only fair but can be improved by postcure at +175°F [+80°C] for 30 minutes.

CHARACTERISTICS

Cure Requirements:

Air dry for 15 minutes then cure for 24 hours at +75°F [+24°C] or one hour at +150°F [+65°C]. Overcoats can be applied 30 minutes from time of application. Coating binder begins to sublimate at +280°F [+140°C], but residue is inorganic and will not become conductive.

Operating Temperature Range:

Short Term: -100° to +325°F [-75° to +160°C].

Long Term: -100° to +250°F [-75° to +120°C].

Shelf Life:

Minimum 1 year at +75°F [+24°C] kept tightly sealed.

PACKAGING OPTIONS

Kit:

4 brush-cap bottles (1oz [30ml] ea)

Bulk:

Quart container

Protective Coating



FEATURES

- Excellent protection from moisture
- Low reinforcement
- Easy to apply



RoHS
COMPLIANT

DESCRIPTION

Solvent-thinned butyl rubber designed to provide excellent moisture protection with low reinforcement effects. Principally used in transducers. Exhibits a paste-like

consistency and is normally applied with a spatula. Thickness over 0.1 in [2.5mm] not recommended.

CHARACTERISTICS

Cure Requirements:

Air dry 8 hours, followed by an elevated temperature cure of +150° to +175°F [+65° to +80°C] for 4 to 6 hours.

Operating Temperature Range:

0° to +175°F [-20° to +80°C].

Shelf Life:

Minimum 12 months at +75°F [+24°C].

PACKAGING OPTIONS

Kit:

75g collapsible tubes, 4 each

Bulk:

Quart container

Protective Coating



FEATURES

- Outstanding moisture protection
- Easy to apply
- No cure required



RoHS
COMPLIANT

DESCRIPTION

Microcrystalline wax. Has very low water-vapor transmission rate. Attacked by most solvents. Coating thickness 0.015-0.06 in [0.4-1.5mm].

Excellent water-immersion coating. Poor mechanical protection. Often used as an intermediate coating.

CHARACTERISTICS

Application Requirements:

Heat to at least +170°F [+75°C] to melt. For best wetting and sealing, heat specimen surface to at least +100°F [+45°C] before applying.

No cure required.

Operating Temperature Range:

0° to +150°F [-20° to +65°C].

Shelf Life:

No limit.

PACKAGING OPTIONS

Kit:

5 tins (1oz [28g] ea)

Bulk:

1 package (5lb [2.25kg])

Protective Coating



FEATURES

- Easy to use
- Translucent
- Self-leveling
- Room-temperature cure



RoHS
COMPLIANT

DESCRIPTION

Single-component 98%-solids RTV silicone rubber. Room-temperature cure (humidity-reactive). Completely non-corrosive. Forms tough, rubbery coating. Excellent properties. Translucent; permits full inspection of installation. Self-leveling; forms fairly thick coats 0.03-0.06 in [0.75-1.5mm].

Easy-to-apply general-purpose coating. Lab and field use. Low reinforcing effects. High-elongation capabilities. Good for short-term water immersion. Resists many chemicals. Bonds to contaminated surfaces for short-term tests; for best long-term protection, chemically clean surface and prime with *M-LINE* RTV Primer No. 1.

CHARACTERISTICS

Cure Requirements:

Tack-free in approximately 2 hours.

Cure 24 hours at +75°F [+24°C], 50% RH for each 0.02-in [0.5-mm] thickness. Longer cure at lower humidity levels.

Note: Will not cure properly if coating is not exposed to atmosphere.

Operating Temperature Range:

Short Term: -100° to +600°F [-75° to +315°C].

Long Term: -65° to +500°F [-55° to +260°C].

Shelf Life:

Minimum 6 months at +75°F [+24°C].

PACKAGING

Kit:

1 collapsible metal tube (3oz [85g])

Accessory:

4 brush-cap bottles (1oz [30ml] ea) RTV Primer No. 1

Protective Coating



FEATURES

- Easy to use
- Good mechanical protection
- Good cable anchor
- Room-temperature cure



RoHS
COMPLIANT

DESCRIPTION

Single-component 98%-solids RTV silicone rubber. Room temperature cure (humidity-reactive). Completely non-corrosive. Forms tough, rubbery coating. Excellent properties. Opaque gray coating of higher strength and toughness than 3140 RTV. Not self-leveling.

Easy-to-apply general-purpose coating. Lab and field use. Low reinforcing effects. High-elongation capabilities. Good

for short-term water immersion. Resists many chemicals. Bonds to contaminated surfaces for short-term tests; for best long-term protection, chemically clean surface and prime with *M-LINE* RTV Primer No. 1. Very thick coatings can be applied without sag or runoff. Tear strength much higher than 3140. Good cable anchor.

CHARACTERISTICS

Cure Requirements:

Tack-free in approximately 2 hours.

Cure 24 hours at +75°F [+24°C], 50% RH for each 0.02-in [0.5-mm] thickness. Longer cure at lower humidity levels.

Note: Will not cure properly if coating is not exposed to atmosphere.

Operating Temperature Range:

Short Term: -100° to +600°F [-75° to +315°C].

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4 brush-cap bottles (1oz [30ml] ea) RTV Primer No. 1