

# COCOON 111™

## Moisture & Corrosion Seal



Performance  
Coatings & Sealants  
Systems

### DESCRIPTION

Cocoon coatings had their origin immediately following World War II, when millions of dollars worth of United States naval warships and airplanes were successfully coated and “mothballed” for future use. Through continuous research and development, its permanent waterproofing, gas seal, and protective qualities were continually refined to produce maximum versatility and ease of application. COCOON 111 is a strippable coating used for long-term storage of materials and equipment otherwise susceptible to corrosion. With this product, equipment may be stored outdoors, yet be returned back into production within hours.

### OUTSTANDING FEATURES

- ✓ COCOON 111 is applied to a variety of interior backings and exterior surfaces to provide a complete sealing of the area against moisture, corrosion, and dust infiltration.
- ✓ Will seal out harmful elements to provide positive protection from rust and corrosion
- ✓ Eliminates the need for periodic “re-protection” of equipment and materials
- ✓ Equipment and materials can be stored on site with the certainty of full protection from changing weather conditions
- ✓ Inspection ports may be installed to permit periodic

- ✓ visual inspection of equipment without removing it from storage
- ✓ May be used in conjunction with vapor corrosion inhibitors to maintain maximum effectiveness and longevity at equilibrium by restraining vapors to reduce necessity for sublimation
- ✓ Extremely low moisture vapor transmission rates substantially reduce any humidity within stored equipment

### APPLICATION

**CAUTION!** Read this entire data sheet before continuing. All surfaces must be dry, free of dirt, loose debris, oil, grease, or any substance that would contaminate or weaken the Cocoon. Close all penetrations and openings with a Cocoon webbing coat. Webbing solution is made by mixing 1 part Webbing Agent to 3 parts COCOON 111 and agitating with an air-driven mix-

er until it becomes a thoroughly mixed, milky white solution. Spray out the webs until a homogenous covering has been achieved. The first application of COCOON 111 over the webbing coat should be a light, rapid pass to provide the webs some strength and prevent the webs from breaking when the Cocoon coating is applied. For more information concerning the Cocoon webbing coat, please refer to the Cocoon Webbing Agent data sheet.

If vapor corrosion inhibitor or silica gel dessicant is to be used, this should be installed immediately prior to the Cocoon sealing process to conserve as much activity as possible. Mix ½ gallon of Cocoon Pigment into a 5-gallon pail of COCOON 111 and mix thoroughly until all of the color is thoroughly dispersed. Spray-apply the pigmented COCOON 111 using overlapping passes of an air atomized spray gun until 25

SPECIFICATIONS	
Coating Type	Polyvinyl Chloride Solution
VOC	218 gms/liter
Pot Life	Single Component
Shelf Life	12 months
Recommended thickness	3 to 5 mils d.f.t. per coat
Coverage	1 gallon per 120 sq. ft. per coat x 5 coats
Packaging	5-gallon pails
Colors	Clear or White

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dry mils thickness is obtained. Properly applied, the Cocoon coating should be free of any voids or pinholes. Voids and pinholes must be repaired and re-sprayed. For recommendations regarding equipment, contact our Technical Department.

### LIMITATIONS

Proper ventilation must be provided during application for effective drying of the coating, and all applicators must wear suitable respirators.

### MAINTENANCE

Damaged areas may be repaired by cleaning surface and application of COCOON 111 as described in the Application Section.

### PRECAUTIONS

Read and understand the Material Safety Data Sheet thoroughly. Make sure that all involved parties are familiar with the M.S.D.S. COCOON 111, in its liquid state, is flammable, and proper safety precautions against exposure to open flame,

sparks, or other sources of ignition must be taken and strict safety rules enforced.

### TECHNICAL DATA

<b>Moisture Vapor Transmission</b>	0,04 perms	ASTM E-96
<b>Tensile Strength</b>	1,350 psi	ASTM D-412
<b>Elongation</b>	250%	ASTM D-412
<b>Flexibility at Low Temperature</b>	180 deg. bend @ -35°C	ASTM C-711
<b>Flashpoint</b>	+0°F	FTMS 141A(M4293)
<b>Shore 'A' Hardness</b>	60	ASTM D-2240
<b>Total Solids</b>	34% (B.W.); 28% (B.V.)	ASTM D-1044
<b>Viscosity</b>	55 ku	ASTM D-446
<b>Arc Resistance (100 milliamperes)</b>	13 seconds	ASTM D-495-48T
<b>Dielectric Strength @ 60cy/s</b>	530 V/ML	ASTM D-149-44
<b>Loss Factor (1000cy/s, 40% R.H.)</b>	0.44	ASTM D-150-47T
<b>Drying Time</b>	5 minutes per coat	
<b>Cleaning of Equipment</b>	Cocoon Cleaning Solvent	

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