

COCOON 550™

Exterior Surface Protection



DESCRIPTION

COCOON 550 is formulated for protection of exterior surfaces subject to mechanical stresses, impact, and harsh climatic conditions. COCOON 550 is a liquid polyvinyl chloride coating which can be sprayed on any clean, dry building surface. Wherever it is sprayed, COCOON 550 will form a tough, flexible, waterproof skin that will withstand the extremes of temperature, thermal shock, differential substrate movement, and impingement. COCOON 550 is used extensively on promenade decks, traffic bearing roof decks, and mechanical room floors where its excellent abrasion, waterproof, scuffing, and traction enhancement properties are important.

OUTSTANDING FEATURES

- Excellent protection to exterior surfaces, including roofing and structural decks, to effectively waterproof and seal against moisture presentation
- Tested by Factory Mutual for combustibility and found to be a fire retardant coating that will inhibit the progress of combustion
- Cocoon has been in practical architectural use for over 50 years
- Approved by the Board of Standards and Appeals of New York City (795-57-SM) for use as a roof covering on hospitals, schools, institutions, commercial and industrial buildings

- Unaffected by intermittent exposure to dilute solutions of alkalis including sodium hydroxide, sodium carbonate, and ammonium hydroxide
- Resistant to exposure to most strengths of mineral acids at ambient temperatures and to all concentrations of salt solutions, alcohols, and greases
- Weathering characteristics permit the use of many different pigments and pigment blends to produce a wide variety of colors possessing excellent stability
- Chemical structure permits infinite touch-up and recoating window (new Cocoon coat softens the old coat and “bites in” to offer provision for future maintenance work)

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 could interfere with adhesion. All masonry, cement, and concrete must be allowed to cure for 30 days or measure 15% maximum on the moisture meter. Ambient temperature in the work area must be at least 55°F. Additionally, all surfaces should be modified in a manner to make them as smooth as possible by removing sharp projections and filling gaps and voids. A minimum surface profile of ½ mm should be maintained for maximum adhesion. After proper masking, prime the entire surface to be coated with Vinyl Bond B directly from the can by spray or roller, and allow the primer to dry. Close all penetrations through the surface by using a webbing coat. Webbing solution is made by mixing 1 part Webbing Agent with 3 parts Cocoon 550 to produce a milky white solution that

SPECIFICATIONS	
Coating Type	Polyvinyl Chloride Solution
VOC	254 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 100 sq. ft. per coat x 4 coats
Packaging	5-gallon pails
Colors	Clear, White, and other normal colors

PRODUCT DATA

COCOON 550™

Flexible Anti-Fungal Coating



will support the following coats. Mix ½ gallon of Cocoon Pigment into a 5-gallon pail of Cocoon 550 and mix until the color is uniform. Spray apply the mixed Cocoon 550 in multiple overlapping passes until a 20 mil dry film thickness has been achieved. Properly applied, the coating should be free of voids and pinholes. Voids and pinholes must be re-sprayed to achieve a complete seal. Prior to the removal of any protection or equipment, a thorough inspection of the entire

area should be completed and all damage or deficiencies must be repaired and re-sprayed. All termination joints should be sealed with a polyurethane sealant. For recommendations regarding equipment, contact our Technical Department.

LIMITATIONS

Cocoon 550 must be protected from inclement weather during application. Application should cease upon commencement of precipitation.

MAINTENANCE

Damaged areas may be repaired by cleaning surface and application of Cocoon 550 as described in the Application Section.

PRECAUTIONS

Read and understand the MSDS thoroughly. In its liquid state, Cocoon 550 is flammable; proper safety precautions against exposure to open flame, sparks, or other sources of ignition must be taken and strict safety rules enforced.

TECHNICAL DATA		
Moisture Vapor Transmission	0.06 perms	ASTM E-96
Tensile Strength	900 psi	ASTM D-412
Elongation	150%	ASTM D-412
Flexibility at Low Temperature	180 deg. bend @ -35°C	ASTM C-711
Shore 'A' Hardness	75 degrees	ASTM D-2240
Weatherometer (1,000 hours)	85 gloss	ASTM G-23
Viscosity	55 ku	ASTM D-446
Total Solids	34% (B.W.); 28% (B.V.)	ASTM D-1044
Flashpoint	+0°F	FTMS 141A (M4293)
Fire Resistance	Self-extinguishing	ASTM D-568-56T
Abrasion Resistance	36.5 mg loss (T.W. @ 1000g/100-rev)	
Dry Time	5 minutes per coat	
Cleaning of Equipment	M.E.K. or Acetone	

NOTICE: The information presented herein is based on tests and data that Andek Corporation believes to be reliable. It is intended for use by technically qualified personnel at their own discretion and risk. Since conditions of handling and use are beyond our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be construed as a license to operate or a recommendation to infringe any patent.

Effective Date: 11/2012

© 2012 Andek Corporation. All right reserved. ANDEK is a registered trademark