

COCOON 501™

Air Barrier Coating



Performance
Coatings & Sealants
Systems

DESCRIPTION

COCOON 501 is formulated for exterior surfacing of masonry, plywood, steel, etc. COCOON 501 is a liquid polyvinyl chloride coating which can be sprayed on any clean, dry building surface. Wherever it is sprayed, it forms a tough, strong permanent waterproof skin that is adaptable to most surfaces. COCOON 501 seals against moisture, gases, corrosion, and particulates, and maintains excellent low temperature flexibility.

OUTSTANDING FEATURES

- ✓ Highly efficient seal for interior applications such as dust-free areas, shower rooms, brewery fermentation rooms and bottling plants, hospital scrub rooms, and natatoriums
- ✓ Provides abrasion resistance, washability, moisture protection, chemical resistance, and bacteria resistance
- ✓ Resists corrosion and surface deterioration caused by acids, oils, fats, greases, and fungi
- ✓ Maintains an effective gas seal coating in controlled atmosphere storage, hyperbaric suites, and fumigation warehouses
- ✓ Effectively seals plenum chambers and ducts in environmental control systems against air loss
- ✓ Bridging characteristics provide a permanent seal around lights, filters, pipe

and duct penetrations, and at all ceiling and wall joints

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. 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 1/2 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 501 and mix until the color is uniform. Spray apply

COCOON 501 in multiple overlapping passes until a 20 mil dry film thickness has been achieved. The first should be very light to avoid breaking the webs. 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.

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 |

COCOON 501™

Corrosion-Resistant Coating



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 501 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 501, 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

| | | |
|---------------------------------------|------------------------|-------------------|
| Moisture Vapor Transmission | 0.06 perms | ASTM E-96 |
| Tensile Strength | 900 psi | ASTM D-412 |
| Elongation | 170% | ASTM D-412 |
| Flexibility at Low Temperature | 180 deg. bend @ -30°C | ASTM C-711 |
| Shore 'A' Hardness | 75 degrees | ASTM D-2240 |
| Weatherometer (240 hours) | 85 gloss | ASTM G-23 |
| Viscosity | 55 ku | ASTM D-446 |
| Drying Time | 5 minutes per coat | |
| Total Solids | 30% (B.W.); 25% (B.V.) | ASTM D-1044 |
| Flashpoint | +15°F | FTMS 141A (M4293) |
| Fire Resistance | Self-extinguishing | |
| Cleaning of Equipment | M.E.K. or Acetone | |

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