Cocoon

The amazing sprayable polymer coating that protects, seals and waterproofs

Andek Performance Coatings & Sealants Systems

Stars Management DMCC

Cocoon coatings have their origin immediately following the Second World War. Millions of square meters of United States Naval warships and airplanes were successfully coated and “mothballed” with Cocoon for future use.

Through continuous research & development, Cocoon’s permanent waterproofing, gas seal and protective qualities have been enhanced and refined.

Hoffman LaRoche
Nutley, PA USA

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COCOON is a revolutionary, high-quality, sprayable liquid polymer coating. No other product has Cocoon's unique qualities. It sprays a cobweb-like filament that forms a permanent, tough, seamless, waterproof, very durable coating that can be applied to almost all materials. Cocoon creates a waterproof and vapor-proof barrier that is able to stretch 2.5 times the original size, and return to its original form.

Bristol-Myers Squibb
Plainsboro, NJ USA

Bell Labs
Murray Hill, NJ USA

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Cocoon Protects

- Tough, very durable, weatherproof, seamless coating that is highly resistant to impact and abrasion.
- Sunlight, rain, wind and marine atmospheres have minimal effect on Cocoon. Provides a very high UV-resistance barrier.
- Resists all forms of corrosion and prevents surface deterioration caused by acids, fats, salt solutions, alcohol, greases and fungi, and most industrial chemicals.
- Resistant at ambient temperatures to most strengths of common alkalies or mineral acids.
- Cocoon can stretch to 2.5 times its original size, and return to its original form. The extreme elasticity of Cocoon permits the coating to stretch and shrink with changing temperatures, and assures that the coating is not damaged or torn.
- Will not support combustion. When exposed to a flame, Cocoon will not ignite and will protect combustible substrates from the spread of flames.

Cocoon Seals and Waterproofs

- Cocoon has the unique ability to bridge openings around penetrations of any size or shape.
- Forms a waterproof and vapor-proof barrier in both low and high temperature environments. Water vapor transmission is virtually zero.
- Can be applied to interior and exterior structures to protect against the penetration of water, dust, gas and oil.
- The tough, flexible web structure ensures the efficient and effective sealing of walls, including wall penetrations, regardless of changes in substrate.
- Perfect for sealing against incoming and outgoing moisture, air and gases.

Merck
West Point, PA USA

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Aesthetic and Maintenance Features:

- Beautiful, high quality coating available in virtually any color.
- Long lasting color durability.
- Ease of modification or repair: Cocoon readily accepts top-coating since the new coat softens the old and “bites” in.
- Ease of maintenance: Cocoon is extremely washable and will withstand repeated scrubbing with strong detergents, sterilizing solutions or high pressure washers.

Guggenheim Museum
New York, NY USA

Thomas Jefferson University Hospital
Philadelphia, PA USA

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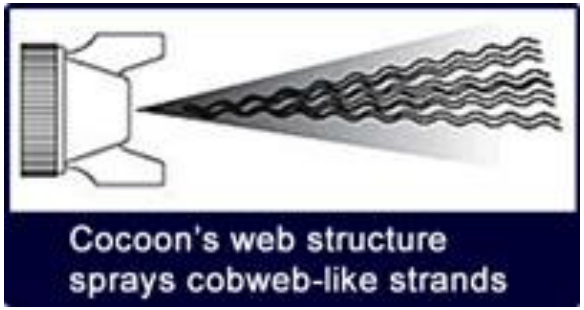
Cocoon's Web-like strands

- Unique web-like strands allows the applicator to form a seamless, durable, flexible, permanent membrane over gaps, ensuring a perfect bridging and seal between various building materials.
- Permits the sealing of machinery and equipment, pipe and duct penetrations, and the gas and airtight sealing of any room or structure.
- Maintains integrity of seals at pipe penetrations, where expansion and contraction along dissimilar planes causes stress.



Cocoon's web-like strands during application

Cocoon uses: Mothballing

• Objects are protected with a weather-proof, tough and seamless Cocoon ‘skin’, which is hermetically sealed against moisture and dust. Within this “cocoon”, the relative humidity is kept at approximately 40%, which prevents the formation of mold and corrosion.

• Peel off “version”: Temporarily protects or conserves various installations. Ability to be sprayed on and easily peeled off without damaging the materials underneath.

Before and after images
of US Navy Missile Battery.
Image on right shows the Missile Battery totally encapsulated with Cocoon.

Cocoon use: Operating Theatres, Clean Rooms and Laboratories

- Cocoon creates a tough, flexible seal and is able to maintain both positive and negative pressures to prevent cross contamination.
- By using the unique Cocoon system the applicator can create a hermetically sealed hygienic environment.
- Cocoon is perfect for sealing against other incoming and outgoing moisture, air and gasses.
- Eliminates surface porosity, joints and cracks where bacteria or spores can lodge and develop and is extremely resistant to fungi or bacteria.

Other Cocoon uses:

- Gas seal coating in hospital hyperbaric suites and tobacco fumigation warehouses.
- Hermitically sealing of ammunition crates, components used for oil and gas drilling.
- Used on all exterior masonry surfaces, including roofing, to effectively waterproof and seal against moisture penetration.

Connaught Labs
Toronto, Canada

Sun Oil Refinery
Philadelphia, PA USA

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Other Cocoon uses:

•Used for interior applications such as dust free areas, shower rooms, brewery fermentation rooms and bottling plants, hospital scrub rooms, swimming pools, and other areas where abrasion resistance, washability, moisture protection, chemical protection, fungi and bacteria resistance is important.

Oklahoma City Zoo
Oklahoma City , OK USA

National Institute of Health
Virus Isolation Facility
Bethesda, MD USA

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Other Cocoon uses:

- Used in environmental control systems to seal plenum chambers and ducts against air loss.
- Has been used extensively on promenade decks, traffic bearing roof decks and mechanical room floors where its excellent abrasion, waterproofing and durability features are important.

Fox Chase Cancer Center
Philadelphia, PA USA

U.S. Dept of Agriculture
Plum Island Disease Control
Greenport, NY USA

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