

Wall and Roof Encapsulation Seal

Encap is a patented cementitious based coating and encapsulation system that provides moisture resistance and incredible strength properties. It can be trowelled or applied through a spray system allowing for a variety of textures to achieve the desired finish on a wall or roof. Encap is approved for the encapsulation of lead based paint and some forms of asbestos, but it can be used to provide quality and longevity to any industry that requires sealant or protection from harsh environments.

Over 30 years ago, Roy Johnson learned that there were an alarming number of homes that still contain heavily leaded paint. After doing some research, Johnson discovered no system or product was available to address this issue. In 1978, he began to experiment with different chemicals and mixtures in hopes of creating such a product. He managed to create a system of cement-based compounds that passed all of the rigorous testing required by the Environmental Protection Agency, ASTM, and state health departments. After he invented the product, Johnson found that Encap had many more uses for building purposes. Johnson then began the patent process for his product and founded Encap Systems Inc. in Ohio.

Encap is incredibly water resistant and adheres to almost any pre-existing construction material. It has a 30 minute fire rating, and does not crack or break down due to sunlight, hail, or foot traffic. These characteristics make Encap a great product for lead paint and asbestos encapsulation, brick renovation, stucco replacement, commercial roofing, and exterior finishing. Its moisture resistance makes Encap a great coating to fill cracks or become a new coat in cement and for waterproofing basement floors or walls. It can also be applied over ceramic tile because of its superior adhesive capabilities. This can be used to either change the look of the current area or simply to strengthen the area without replacing the tile.

Encap also has the ability to seal cracks and stop rust on steel and cement bridges. The Army Corps of Engineers has Encap specified as its product of choice, and it has been approved and is being integrated into the design of sea walls and levees this year. Encap can be used to protect concrete and wood pilings going into the sea, and there are many more possible applications for marine construction and hurricane protection. It can be used in brick applications as a mortar substitute, providing another application that is cheaper, stronger, and longer lasting than the standard. Since its creation, Encap has been used for many different construction applications including schools, housing projects, naval and air force bases, and many other buildings throughout the country.

The cost of Encap and its installation per square foot is similar to traditional coating products, but its long term life expectancy and strength is what sets it apart. A roof or building exterior coated with Encap lasts far longer than traditional materials such as PVC or rubber. The elimination of costly maintenance every few years makes Encap a truly innovative product. Encap reaches a strength of about 4500 psi after curing for 28 days, but is dry to the touch and fully accessible about 4 hours after its application. Stucco, for example, only has strength of about 700 psi. If a building experiences leaking or cracking from the weak stucco, Encap would be a superior replacement to ensure problems like that never happen again.

The future of Encap will include renovation projects and new construction applications. It provides an excellent foundation for green roofs, and its variety of bright color options deflect light and decrease energy costs. Encap is distributed by Global Green Environments, a testament to its sustainability and eco-friendly design. The product is patented for federal and private projects in all 50 states, and it is second to none when it comes to exterior coating and finishing systems. With the focus of the construction industry constantly shifting to sustainable development and green design, Encap Seal will continue to emerge as a premier roofing and exterior finish system throughout the world.



Before



After



Roofing Application



Housing Exterior



Brick Application



Before

After

