



STRONGCrete Deck Coating System



Durability & Longevity

Strongcrete is a light weight, micro layer of polymerized composites and is not a paint. It is composed of specially sized aggregate, enriched composite powder, and proprietary polymers. The Strongcrete system is a 2 layer, screed or spray applied process that is impervious to diesel fuel, gasoline, aviation fluids, salt water, oil, and U.V. degradation. Strongcrete colored markings are also a micro layer of polymerized high strength cement capable of producing long term quality markings. Glass beads can be used in the material to produce high retro-reflectivity numbers for night time visibility. The material has full depth color, will not fade, and is unaffected by U. V. The material meets and exceeds all of the EPA requirements. Strongcrete is waterproof, fuel and oil resistant, colorfast, and protects metal surfaces from rust. We believe that the material also has significant sound dampening capabilities.



Performance

Chemical Resistant	Resistant to chemicals, oils, fuels, etc.
Skid Resistant	High coefficient of friction
Rapid Setting	Cures in 2 - 3 hours depending on temperature and humidity
UV Resistant	A Strongcrete system has a surface that is designed for even the harshest UV conditions.
Adhesion	Adheres exceptionally well to metal, asphalt and concrete

Value

Aesthetically Pleasing	Available in various colors and textures
Short Downtime	Fast application time
Cost Effective	Durable and Long lasting
Repairable	Easy to fix worn or damaged areas

Environment

Water-based	Non-hazardous, non-flammable and easy cleanup.
Low VOC	Meets the most stringent VOC requirements in the U.S.
No Odor	No odor or tracking issues



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The Strongcrete system is impact resistant, skid resistant and long lasting. Outlast typical paints which will fade and chip.

Long Term Performance

The primary difference between Strongcrete and traditional paint with sand is the composite formula is stronger than the non-skid aggregate and therefore locks the chips in place. The opposite is true in epoxy with sand. Traditional epoxy and urethane systems are extremely sensitive to U.V. and humidity which will cause the materials to fail. Strongcrete requires moisture to fully cure and therefore humidity is a necessary ingredient. The material and workmanship carry a written 10 year warranty and a 20 year life expectancy. Strongcrete can be applied directly over Eclat's zinc primer or water based epoxy.

Process

Below is the multi-step process to seal and restore the roof:

1. Inspect surface for suitability of stable primer (mill primer is acceptable). Remove all rust by shot blaster or wire grinder.
2. Prime all cleaned areas
3. Ensure surface is free of all contaminants including oil, grease, dirt laitance, fungus, rust, mildew or any other contaminant that may prevent adhesion. Effective means of preparation may include pressure washing, acid etching, shot or sand blasting.
4. Prior to application, surface must be dry and free from all loose particles
5. Set up equipment and mix materials as previously described.
6. Apply the Strongcrete with approved application equipment.
7. New metal must have a zinc primer



Strongcrete Performance Products

Eclat manufactures a full range of high performance, cost effective, and environmentally friendly products.

Powermax WB Epoxy • Two component water based epoxy primer at a 1:4 ratio. Easy spreading, multipurpose, adheres to most surfaces. Also, has a flash rust inhibitor.

Strongcrete A polymer modified cementitious micro overlay for metal, asphalt or concrete surfaces. Can be applied in multiple coats for added thickness



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