



BASECRETE

Flexible Waterproof Bondcoat



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A Waterproof Bondcoat with Exceptional Adhesive Qualities

Basecrete : A Higher Level of Concrete Protection



TECHNICAL SPECIFICATIONS

IMPACT STRENGTH

19 lbs / 8.6 kg

COMPRESSIVE STRENGTH

7050 psi / 48.61 MPa

TENSILE STRENGTH

732 psi / 5.05 MPa

FLEXURAL STRENGTH

2380 psi / 16.41 MPa

ADHESIVE STRENGTH

Concrete : 1372 psi / 9.46 MPa

Steel : 1144 psi / 7.89 MPa

SHEAR BOND ADHESION

720 psi / 4.96 MPa

ASTM Standards

ASTM E96 – Vapor transmission

ASTM C321 – Bond Strength

ASTM C672 – Freeze-Thaw

ASTM d4541.02 – Pull Off Test

Meets or exceeds all above ASTM standards

Description of Basecrete

BaseCrete is a waterproof bondcoat for use in all applications where a solid and durable waterproof barrier is required. BaseCrete will adhere to most surfaces, is resistant to most chemicals and corrosive agents and can withstand a high degree of movement while maintaining its integrity. BaseCrete can be used to protect any concrete structure or surface from deterioration due to water infiltration. In addition Basecrete protects the underlying structure against the corrosive elements often found in water such as salt. BaseCrete is also completely resistant to all the chemicals used in pool maintenance. In industrial applications Basecrete will protect the underlying structure against the destructive effects of many acids and other corrosive agents. Basecrete can be used to protect new construction against deterioration from above agents as well as to repair structures that have already suffered deterioration as a result of water infiltration and/or the effects of corrosive agents. BaseCrete is a versatile multi-purpose overlay product imparting industry leading protection to all types of structures.

Composition

BaseCrete is a mix of polymers and specialized cement resulting in an extremely dense mortar. The unique polymers impart an exceptional degree of impermeability while the specialized cement adds a degree of adhesion that is unrivalled in the industry today. In addition the product has an exceptionally high degree of elasticity that clearly surpasses the tolerances for movement built in to most structures. The combination of the above factors results in a product that acts like concrete, can be applied like concrete yet is waterproof, adheres to anything and can withstand a considerable amount of movement.

Applications

BaseCrete can be used anywhere one wishes or needs to protect against water infiltration or the effects of corrosive agents or even both at the same time. The unique elasticity of BaseCrete makes it particularly useful in applications such as suspended pools where a certain amount of movement is inevitable. Balconies exposed to the elements, particularly in coastal regions, are also prime candidates for application of Basecrete. Overflow gutters for infinity and vanishing edge pools are ideal applications for BaseCrete as are all types of water features.

USE BASECRETE ;

- As a waterproof bondcoat
- In suspended pools
- To waterproof overflow gutters in infinity and vanishing edge pools
- In Planters
- On any water feature
- In Tanks & Cisterns
- On Balconies
- On Pool decks and Walkways
- To repair any concrete structure
- To Protect against corrosion
- In Parking garages
- On Sea Walls
- On Roofs and Ceilings



CORROSION PROTECTION

The unique properties of Basecrete make it an ideal solution for most corrosion problems affecting concrete structures today.

Basecrete can be used to protect new structures against the agents that cause corrosion as well as on existing structures that have begun to deteriorate due to the corrosive effects of agents such as water, chlorides or other corrosive agents.

Applying a thin layer of Basecrete on a new structure will prevent water and or chlorides from penetrating into the substrate and damaging the structure through the oxidization of the rebar inside the concrete. Basecrete in addition to being waterproof is highly resistant to common corrosive elements such as chlorides and other acidic elements.

On structures that exhibit damage due to corrosion such as cracking and spalling, Basecrete can be used to repair the damage already done as well as to seal the structure afterwards to prevent further damage taking place.

A common problem is the delamination of the surface layer on concrete structures due to water infiltration. A protective coating of Basecrete underneath the outer layer will eliminate this problem in most cases. Balconies in coastal condos are an excellent example of a concrete structure where a protective layer of Basecrete will eliminate future problems of delamination of the top coat.





SUSPENDED POOLS

Suspended pools pose a particular problem for waterproofing due to the structural flexibility built into the design. By their very nature they are designed to move in order to absorb the weight of the water inside the pool as well as the movement in the building itself.

This poses a problem for most traditional cement based bond coats and or waterproofing agents. BaseCrete however is designed to be highly flexible while at the same time maintaining its structural integrity. The flexibility built into Basecrete will far surpass the tolerances for movement built into the structure.

Parking Garages

Conventional parking garage overlay coatings require several layers of materials and days of curing time before they can be used again. A single layer of Basecrete on a Garage floor will protect the floor for years to come and it can be driven on after 12 hours of cure time. The photo shows a tire skid mark from a Dodge Ram Pick-up having peeled out over a section of Basecrete applied only ONE hour earlier. There was no deterioration or delamination of the Basecrete. Applying a single 1/16th inch coat of Basecrete on a Garage floor will protect the concrete for years to come and more importantly the garage will be back in service after only one day.



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