



Stampable Overlay

Single Component/Fibers

Stampable Overlay Mix is a single component, polymer modified cementitious overlay that can be applied and stamped to provide an imprinted concrete look for residential or commercial applications. Applied from 1/4" to 5/8", accepts color hardeners, integral color and after sealing becomes a durable wear surface. Stampable Overlay Mix can be installed interior or exterior over well cured concrete substrates on new or for renovation of existing concrete on older projects. Usage of textures and colors makes it easy to blend with any decor.

Limitations

Stampable Overlay must not be used over gypsum-based surfaces, old adhesives residue, paints, wood products, plastics, vinyl, epoxy or urethane floor coverings or elastomeric membranes. Use in temperature range of 40° F to 90° F (Do not allow the product to freeze for the first 72 hours). Stampable overlay should never be applied to any surface unless it has been previously primed with Bond Force liquid or Ready Rock Products Bond Coat to increase adhesion to the substrate and allow the underlayment to retain moisture for higher strengths. Do not use Stampable Overlay over substrates subject to hydrostatic pressure.

Installation

Preparatory Work - All surfaces to receive Stampable Overlay Mix must be structurally sound. Surfaces shall be free from dust, grease, wax, sealers, old adhesives and cut back residue, curing compounds, oils, gypsum based underlayments, surface hardeners, paints, old flooring, and other foreign material before application of Primer or Bond Coat. Concrete shall be completely exposed, fully cured, free of efflorescence and hydrostatic pressure (moisture test should be done prior to application). Chip, sandblast, shot blast or hammer out any spalled unsound concrete. Clean off any resulting dust. Hand troweled concrete should be thoroughly scarified or acid-etched using a 10% muriatic wash. It is important that the acid sludge be thoroughly neutralized with a diluted solution of TSP or Baking powder (one pound per 5 gal water) and flushed from the floor with clean water.

Expansion Joints

Expansion joints saw cut (control) joints, cold joints or structural cracks shall never be bridged over with Stampable Overlay Mix. All joints must be honored. Install expansion joints where the Stampable Overlay mix abuts restraining surfaces such as perimeter walls, dissimilar floors, curbs, columns and pipes. An architect or structural engineer must specify expansion joints and show location details on drawings.

Priming

Prime the clean surface using Ready Rock's Bond Force diluted with one part water to one part Bond Force. Apply an even coat with a roller or sprayer and brush or broom to work the primer into the pores of the substrate. Allow the primer to dry to a "tacky" surface, then apply the Overlay Mix. Reapply primer if first application becomes dry. For substrates such as pea-gravel exposed surfaces use Ready Rock's Bond Coat as a level-up and primer.

Mixing

Mix one 50 lb. bag of Stampable Overlay with one gallon of water. Always add the powder slowly to the total amount of water while mixing with a low -RPM power mixer equipped with an egg beater type mixing wand. This wand will help prevent air entrainment which produces pinholes in the finished surface. Continue to mix thoroughly until a lump-free mix is obtained for an additional two minutes. Additional water may be needed to properly mix the batch to a consistency of a runny milk-shake, but should never exceed a total of 5 quarts of water. After mixing, allow mix to slake for approximately 5 minutes before use. Do not mix more material than can be applied within 30 minutes, especially in hot dry conditions.

Applications

Stampable Overlay mix shall be applied over substrates that are between 40° and 90° F and have been properly primed. Avoid applying mixture under windy days that may cause the surface to dry prematurely and produce surface cracking. Spread the mix using a gauge rake, or straight edge screed to achieve the desired thickness. Use a magic trowel, fresno, or trowel to work imperfections out of the surface. Do not overwork the surface as application of color hardener and or imprinting tools will relieve most surface imperfections. Do not allow Mix to freeze for the first 72 hours.

Cleaning: Water is all that is needed to remove uncured Overlay mix.

Curing: A minimum cure is obtained in 12 to 24 hours, depending on the ambient temperatures. As with concrete, the strength increases significantly with age during the first 28 days.

Coverage Rate: 25 Square feet per bag at 1/4"
18 Square feet per bag at 3/8"

Net Contents: 50 Pounds

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Color