



VISON OVERLAY

Product Name: VISON OVERLAY

Manufacturer: Vison Tech Products LLC

Product Description

VISON Overlay 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 $\frac{1}{4}$ " to $\frac{5}{8}$ ", accepts color hardeners, integral color and after sealing becomes a durable wear surface. Vison Overlay 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 make it easy to blend with any décor.

Limitations

Vison Overlay must not be used over gypsum-based surfaces, old adhesives residue, paints, wood products, plastics, vinyl, epoxy, 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). Vison Overlay should never be applied to any surface unless it has been previously primed with Vison M4 latex liquid to increase adhesion to the substrate and allow the underlayment to retain moisture for higher strengths. Do not use Vison Overlay over substrates subject to hydrostatic pressure.

Installation:

Preparatory Work – All surfaces to receive Vison Overlay must be structurally sound. Surfaces shall be free from dust, grease, wax, sealers, old adhesives and cut back residue, curing compounds, oils, gypsum based underlayment's, surface hardeners, paints, old flooring, and other foreign material before application of M4 latex 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.

Priming

Prime the clean surface using one part of Vison M4 latex liquid diluted with one part water. 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.

Mixing

Mix one 50 lb. bag of Vison 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 entrapment 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.

Expansion Joints

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



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Applications

Vison Overlay shall be applied over substrates that are between 40°F 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 to work imperfections out of the surface. Do not overwork the surface as application of imprinting tools will relieve most surface imperfections. Do not allow overlay 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 $\frac{1}{4}$ "

18 Square feet per bag at $\frac{3}{8}$ "

Net Content: 50 lb

Technical Data

As of today, there is no specifications industry approved. All provided data are in good faith

Compression (PSI)	7 days	2400
	28 days	3000
Shore D Hardness	24 hours	26
	7 days	62
	28 days	65
Tensile (PSI)	7 days	151
	28 days	312
Shear Bond (PSI)	7 days	315
	28 days	370

Chemical Resistance	Acid (5%)	No Reaction
	Alkalide (5%)	No Reaction
	Petroleum	No Reaction
Wet Slip Resistance ASTM Standard C-1028 Test Method	0.67	Rough Surface Up

Storage Life

One year if kept in sealed containers stored in dry area. Protect liquid primer from freezing

KEEP OUT OF REACH OF CHILDREN

Caution

Use in well-ventilated areas, Avoid inhalation of vapors and contact with eyes or skin. In case of contact with eyes, flush with water and call physician immediately; for skin contact, wash with warm soapy water. If material is swallowed, immediately call physician

Warranty

Vison Overlay warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Vison Tech's sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Vison Tech's printed instructions. Vison Tech makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another