

RECOMMENDED WATERPROOFING SPECS.



FlexPrime Moisture Vapor Barrier

DESCRIPTION: FlexPrime, a moisture barrier, is a two-component, modified polymer based material, used as a penetrating bond agent and sealant for concrete, wood, steel aluminum, vinyl, fiberglass, stainless, painted surfaces and many more. It's special molecular attachment and penetration into the substrate, gives it the ability to act as a barrier against moisture from below, while sealing the topside surface. FlexPrime has even halted the migration of hydrostatic head pressure on floors. The amount of hydrostatic pressure can vary considerably, so caution should be taken with the proper initial testing, when this type of repair is needed. FlexPrime should not be used in standing water, but a damp surface is acceptable. It has even been used as a block coat to repair "green concrete," one day old. This normally requires a 28-day cure before repairing.

FlexPrime, also is a superior sealer against out-gassing, when installing flooring systems over concrete, while promoting greater adhesion on a damp surface. Further, FlexPrime can be used over steel with tightly adhered rust, to halt the advancement of corrosion. Any loose rust particles may be blasted or mechanically cleaned prior to sealing with FlexPrime. This surface can then be painted upon tack, lending itself as a very superior undercoat or prime coat.

APPLICATION: FlexPrime is packaged in equal parts of A & B. Measure out the total amount needed to cover the surface, and combine equal parts of part A and part B. With a power mixer, blend the two parts for approximately one to two minutes, or until a "buttery" color is obtained. In colder weather longer mixing

will help generate heat so that the "tack" time will be shortened. FlexPrime may be rolled or brushed onto the surface. General, a very smooth, thin coat should be obtained, and no ridges or puddles should be left on the surface.

PHYSICAL DATA:

- Solids by volume - 100%
- Recommended spread rate @ approx 150-300 sq. ft per gallon will yield 5-10 mils.
- Mix Ratio - 1:1 by volume
- Flash Point - >200°F (93°C)
- Weight Per Gal. (mixed) - 8.8lbs (4kg)
- Shelf Life Unopened containers @ 77°F (25°C) 12 months.
- Tack Free to touch 4-6 hrs. @ 77°F (25°C)
- Pot Life 10-15 min. @ @ 77°F (25°C)
- Power mix with jiffy mixer or standard paint mixer for a minimum of 1 minute.
- One coat system to apply, VDC compliant, little or no odor, allows flooring to be replaced within 3 to 6 hours depending on room temperature.
- Unaffected by a PH 2-11.5
- Moisture Vapor Transmission ASTM (E96 - 80 perms) Test Method 8.8 lbs (4kg)
- 100% cohesive failure substrate. Concrete usually pulls off between 300 and 600 psi, on metal surface usually 2000psi and dolli glue failure.
- FlexPrime can be applied to green concrete 7 days old, making the surface available for flooring within 1 to 3 hours or until full tack.

continued

RECOMMENDED WATERPROOFING SPECS. CONTINUED



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SURFACE PREPARATION FOR CONCRETE:

Remove dust, dirt, oil, laitance, curing compounds, concrete sealer, etc. from surface by power wash, grit blast or profiling equipment. The prepared concrete surface is to be clean, dry, hard/dense, free of cracks and holes with a slightly roughened surface.

SAFETY PRECAUTIONS:

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S.

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact of the liquid or spray mist.

CLEAN UP: Use acetone.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

INGESTION: Do not take internally. It is believed ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

RESPIRATORY PROTECTION: Use a respirator approved for isocyanates and organic vapors. If you are not sure or not able to monitor levels, use MSHA/NIOSH approved supplied air respirator. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.