



## P r o d u c t I n f o r m a t i o n

# PRIMER

### Product Description

Primer is a uniquely formulated high density polymer solution that quickly cross-links and dries to form a non-tacky film and develop an outstanding bond to concrete. Primer is a safe, non-corrosive solution, which blocks the negative effects of pH on adhesives. Primer will reduce vapor emissions, penetrate the concrete surface and creating a tenacious water-proof bond offering superior alkaline resistance. Primer is compatible with poured epoxies and poured urethane. It is recommended that a test be performed to determine fitness for a particular usage.

### Application

See special note on reverse.

Using a weighted T-bar or squeegee evenly apply the Primer at full strength directly to the concrete surface. DO NOT allow to puddle. Allow the Primer to fully cure, (completely dry and not tacky).

**Note:** Allow for much longer than normal flash-off and set-up time for all adhesives when using Primer.

Coverage is approximately 400 to 500 square feet per gallon.

**CAUTION:** The preceding 4hr dry times for Primer are approximate, and can vary considerably depending on environmental conditions of the job site. High humidity, very low temperatures, high vapor rates, and skim coating of non-porous old or new concrete can all prolong the curing process. Be sure the Primer is completely dried before proceeding.

### Installation

All subfloors must be level, firm, dry, smooth and free of dust, dirt, wax, cut-back, paint, grease, oil, curing agents, mold, bond breakers, residual alkaline salts, densifiers, hardeners or any other foreign material that would inhibit bonding. Use only mechanical or physical methods to clean existing subfloor. Do not acid etch or use any other chemical to clean concrete substrate. Fill cracks, holes, and depressions using a quality Portland cementitious compound, preferably acrylic modified. **Do not use Gypsum based compounds.** Roughen glossy surfaces or flooring with urethane wear layers.

Concrete floors must be free of excessive moisture and alkalinity. It is necessary that an independent series of moisture evaluations be conducted prior to installation per ASTM F1869, F710 and F2170 respectively, to determine vapor emission rate in order to satisfy warranty requirements.

Consult technical advise prior to installation if the resulting vapor emission tests are above 10.0lbs/1000sf/24hr and/or pH above 11.0 and/or in-situ relative humidity exceeds 85%.

The installation area should be acclimated to at least 60° F for 24 hrs prior, during and 72 hrs following the installation procedure. Do not install if temperature exceeds 80° F.

To insure porosity and provide a clean bonding surface it is recommended that the concrete surface be shot blasted. The steel shot should not exceed a #280 mesh profile. Aggressive shot blasting may require a cementitious skim coat and sanding prior to the adhesive application.

## Special Note

It is imperative that penetration into the concrete with Primer is achieved. It is always advised to perform a bond test. Begin by applying the Primer on a 2 ft by 2 ft area, using a fixed 1/4" nap roller. If after the application and curing of the Primer and allowing at least 1-3hours to cure (completely dry and tack free), it can be removed using the flat edge of a trowel, **then the proper level of porosity has NOT been achieved**. Immediately stop the installation process, and use a smechanical method to obtain porosity. Be sure that this effort is not so aggressive as to require skim coating of the entire area afterwards. It is required that this test be done before proceeding with the application of the adhesive and installation of the flooring for warranty consideration. Failure to follow instructions will void warranty.

Primer once installed will reduce the porosity of the concrete. When using a MULTI type wet-set adhesive for VSF, care **MUST** be taken to allow sufficient flash of the waterborne acrylic adhesive. If the sheet flooring is installed prematurely on a treated floor there exists a potential for locking the intrinsic water present in the adhesive under the vinyl sheet.

Early set of sheet goods prior to appropriate flash will eliminate trowel lines causing air entrapment from the original flop and allow for a physical phenomena technically referred to as coalescent migration in solid phase. The end result is bubble formation. The appearance is that of gas coming from the floor or adhesive, hence the descriptive, 'off-gassing'. Water based adhesive do not react to produce gas and do not have dissolved gases in them. If this condition appears call technical service immediately for help, 714-429-9804p.

## Chemical & Physical Properties

<b>Base:</b>	<b>Modified Acrylic</b>
<b>Vehicle:</b>	<b>Water</b>
<b>Color:</b>	<b>Blue</b> (dries clear)
<b>Solids:</b>	<b>&gt;55%</b>
<b>Density:</b>	<b>8.4lbs/gal</b>
<b>Flammability:</b>	<b>Nonflammable</b>
<b>VOC:</b>	<b>&lt;50g/l</b> , calculated
<b>Application:</b>	<b>See Instructions</b>
<b>Shelf Life:</b>	<b>One Year*</b>

\*From date of manufacture and stored in original, sealed container

## Warranty

Formulators warrants Primer free from defects in material and workmanship for a period of five (5) years when properly installed in combination with Hydro-Seal adhesive, not to delaminate due to moisture levels not to exceed 10.0lbs/1000sf/24hrs, pH 11.0 and in-situ relative humidity of 85%, (shelf life limited to one year from date of manufacture, stored in an unopened container at 70°F), certified by an independent series of moisture tests in accordance with ASTM F1869, F710 and F2170 respectively and performed by a testing service of Formulators choosing.

Formulators excludes and will not pay consequential or incidental damages under this warranty. All remedies shall extend to the replacement of finished flooring materials and adhesive in affected areas only and as determined by Formulators. Formulators will not warranty the use of any adhesive except those produced by Formulators. Formulators will not pay damages resulting from poor installation, loss of bond due to the dimensional characteristics of the flooring material, telegraphing of trowel marks through the flooring material, improper trowel selection, discoloration due to moisture, topically applied alkaline penetrations, seam failures or voids, tears, rips, misapplied curing compounds, residual mold release, leveling or patching compounds of any kind, improper preparation technique and any other condition beyond the control of Formulators and unrelated to the integrity of the adhesive.

The suitability of this product for an intended use shall be solely the users responsibility. Formulators makes no warranty of merchantability or fitness for a particular application, installation or purpose. No other warranty is expressed or implied.

**For complete warranty information, see Formulators Performance Warranty.**

## Packaging

Primer is available in 4.25gal natural high density plastic pails. For the name of a distributor near you, contact Customer Service at 714-429-9804.

## Clean Up & Storage

Remove wet primer from floor covering and tools with soapy water. Use mineral spirits to remove dried film. The container should be kept closed between spreading cycles and after use. The product should be stored in the original container in a cool, dry place.

