



Waterproofing Engineering Technologies

This Spec Data sheet conforms to the editorial style prescribed by the Construction Specifications Institute. Manufacturer is responsible for technical accuracy.

1050 CONSEAL PRIMER

CONSEAL PRIMER 1050 is a colorless, non-toxic, non-flammable, low viscosity, spray applied liquid formulation that adds alkali to porous substrates such as concrete block, shotcrete or gunited concrete prior to subsequent applications of CONSEAL 1000 or CONSEAL 1010.

2. Manufacturer

Waterproofing Engineering Technologies
10709 Tube Drive 100
Hurst, Texas 76053

3. Product Description

CONSEAL PRIMER 1050 penetrates deeply into porous substrates where its active ingredients fill small cracks and voids and interstitial spaces between the concrete particles. These deposits will react with CONSEAL to fill all of the small spaces within the concrete to form a permanent water barrier.

ADVANTAGES:

- allows porous concrete materials to be internally waterproofed with CONSEAL 1000 or CONSEAL 1010.

LIMITATIONS:

- CONSEAL PRIMER 1050 is formulated solely for cement based materials and does not effectively penetrate asphalt, metal or wood, brick or masonry
- CONSEAL PRIMER 1050 will not penetrate acrylic or nonporous rubber based paints
- CONSEAL PRIMER 1050 must be applied at full strength to attain the desired results
- over application of the material may cause white deposits to form on the surface. These deposits should be removed by brushing and/or flushing with water prior to subsequent applications of CONSEAL.

COMPOSITION:

CONSEAL primer 1050 is a non-toxic, (water based) blend of inorganic suspended solids which extend throughout porous substrates to provide the additional alkali required to react with CONSEAL. CONSEAL PRIMER 1050 contains no organic materials or inorganic heavy metals. CONSEAL PRIMER is neither flammable or explosive and does not emit any harmful fumes.

TYPES:

CONSEAL 1000 for normal applications

CONSEAL 1010 for applications on concrete surfaces permeated with oil, grease or acid

SIZES:

5 Gallon Plastic Pails

55 Gallon Steel or Plastic Drums

4. TECHNICAL DATA

Physical Properties

Appearance	Colorless
Odor	Negligible
Toxicity	None
Flash Point	None
Resistivity	50 Ohms
pH	9.0 pH Scale Units
Total Solids	5.1 %
Specific Gravity	1.045

5. INSTALLATION

Preparatory Work:

No preparatory work is generally required. However, if the surface is coated with heavy wax, thick grease, recently applied surface sealer, rubber or acrylic paint or other impervious material, remove such materials so that the CONSEAL PRIMER can reach the surface of the concrete where it will be allowed to penetrate into the substrate. Accidental over application will not discolor the surface.

Method of Application:

1. Dampen surface to be treated (do not saturate) using a fine mist water spray.
2. Saturate the surface thoroughly with CONSEAL PRIMER at an approximate rate of 100 – 150 square feet per gallon, depending upon porosity of the substrate.

Low pressure spray equipment, such as a hand pumped garden type sprayer works well for medium sized areas. For large areas, airless spray equipment is very efficient. Small areas can be effectively treated using a spray bottle.

Brushes or rollers are not recommended because of the low viscosity of the CONSEAL PRIMER.

Do not allow the CONSEAL PRIMER to pond or puddle on horizontal surfaces, as a white residue will likely form on the surface. Move the excess material from the low spots on the floor to the high spots with a squeegee, mop or broom. Any remaining material should be picked up with a wet vac or mop.

The time for additional applications can be judged by observing the time it takes for the CONSEAL PRIMER to soak into the concrete. If the PRIMER soaks in quickly, generally less than fifteen minutes after application, additional material should be applied.

3. CONSEAL PRIMER 1050 will not penetrate latex, polyvinyl or acrylic based paints.

Unpainted surfaces: Generally, no surface preparation is necessary.

4. For surfaces such as basement and outside walls, follow standard procedures as described above.
5. Oil, grease or acid conditions: Preliminary cleaning of the surface is necessary before CONSEAL PRIMER 1050 is applied. Heavy deposits may require scraping, followed by thorough cleaning with a commercial degreaser, such as WET's METSO-CLEAN 3755. After the surface has been cleaned, apply CONSEAL PRIMER 1050 until the substrate has been thoroughly soaked with the material.
6. Allow the substrate to dry to a damp condition before applying CONSEAL 1000 or CONSEAL 1010.

Precautions:

CONSEAL PRIMER should not be applied to glazed floor or wall tile, or glazed or hard fired brick where the glaze will prevent the penetration of the material. However, CONSEAL PRIMER may be applied over these materials if the intent is to seal the grout joints. In such cases, after the PRIMER has sufficiently soaked into the grout, remove all excess material from the surface with a wet vac, squeegee or mop. This will greatly minimize the possibility of a white deposit or film from forming on the tile or brick. When in doubt, apply CONSEAL PRIMER 1050 to a small test area.

CONSEAL PRIMER 1050 is not recommended for use on porous brick, pavers or tile. In most cases, white discoloration will occur on such surfaces.

CONSEAL PRIMER 1050 should not be applied to masonry structures having a mortar or grout containing a latex binder.

CONSEAL PRIMER 1050 should not be applied or stored at freezing temperatures. 45 degree minimum surface temperature.

If freezing occurs during storage, agitate the thawed material thoroughly to assure uniform solution.

During outside applications, care should be taken to protect vegetation and adjacent areas from direct spray or overspray.

6. AVAILABILITY

CONSEAL PRIMER is available through local distributors and dealers, or may be ordered directly from the manufacturer if a supplier is not available in your area.

7. GUARANTEE

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since Waterproofing Engineering Technologies cannot know all of the uses to which its products may be put, or the conditions of use, it makes no warranty concerning the fitness or suitability of its products for any particular purpose.

The user should thoroughly test any proposed use of our products and independently conclude satisfactory performance for the given application. Likewise, if the manner in which our products are used requires agency or government approval, user must obtain it.

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8. TECHNICAL SERVICES

Waterproofing Engineering Technologies maintains a staff of technical consultants, available to assist with any application. Our research and Development Engineering Department is continually working to improve existing products and methods as well as developing new products.

9. FILING SYSTEMS

Waterproofing Engineering Technologies
10709 Tube Drive 100
Hurst, Texas 76053

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