



4001 Installation Guide

PRODUCT DESCRIPTION

4001 is a 2 component waterborne epoxy primer/sealer designed to improve the adhesion of coating systems to concrete and previously sealed surfaces or provide a breathable "Wet Look" seal over new or old concrete surfaces. 4001 is suitable for use over green concrete, and substrates with high moisture vapor emissions. Use 4001 as your general purpose sealer over bare concrete, feather blasted concrete or acid stained concrete.

COVERAGE RATES AND PACKAGING

4001

350 ft/gal 700 ft/kit

Sold as 2.0 Gallon Kit
Or 5 Gallon Bulk

SUBSTRATE REQUIREMENTS

Concrete

Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. Concrete may need to be mechanically profiled and prepared by shot-blasting, grinding, or other means of scarification so that it has surface profile equal to at least a 150 grit sandpaper. Substrate and ambient temperatures must be above 50°F (10°C), and not exceed 95°F (35°C) during installation of primer. Environmental conditions must not be near the dew point during installation of the primer or subsequent coatings and toppings.

Other Substrates

Consult with a Versatile Building Products representative for recommendations over other substrates.

STEP 1) INSTALLATION OF 4001

(Note: Dry time is effected by environmental conditions. Do not force dry. Pot-life of material is 2 hours at 70F. Mixed material will not gel.)

Mixing

Mix 1 part by volume 4001 A-Component with 1 part by volume 4001 B-Component for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Transfer 4001 to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture. ***This is a 2-component product be sure to mix thoroughly.***

Do not apply material in extreme heat, best results are achieved when temperatures are below 80 degrees. Apply mixture to the substrate using a soft bristle push broom, brush, roller, or squeegee at a coverage rate of 350ft per mixed gallon inside and 450 sq ft per gallon when used outside. Do not puddle material. Allow material to dry to a clear film. Subsequent coats must be applied as soon as the film goes clear and within 1 hour of it going clear otherwise surface de-glossing with sand paper or buffing pads will be required. Additional coats may be necessary over highly porous concrete. Be sure to maintain a wet edge in order to avoid streaking or flashing of primer. ***Do not use material after 2 hour pot life, material applied after 2 hour pot life will turn white when dry.***

Application Over Concrete as a Primer

Apply mixture to the substrate using a soft bristle push broom, brush, roller, or squeegee at a coverage rate of 350ft per mixed gallon. Do not puddle material. Apply subsequent toppings and coatings in accordance with the manufacturer's instructions. Typical coat-over windows are as follows, but will vary with the product:

Waterborne & Solventborne Coatings

As soon as it goes clear and no longer than 1 hour after going clear

Application Over Concrete as a Sealer

Do not apply material in extreme heat, best results are achieved when temperatures are below 80 degrees. Apply mixture to the substrate using a soft bristle push broom, brush, roller, or squeegee at a coverage rate of 350ft per mixed gallon. Do not puddle material. Allow material to dry minimum 1-2 hours before applying subsequent coats. Apply a second coat to the surface at a right angle of first coat. Additional coats may be necessary over highly porous concrete. ***Do not use material after 2 hour pot life, material applied after 2 hour pot life will turn white when dry.***

STEP 2) CLEANUP

Immediately cleanup splatter marks with water. Clean tools with mild soap and water before primer dries.

ADDITIONAL APPLICATION INFORMATION

4001 can accept foot traffic in 2-4 hours under normal conditions. Light vehicular traffic in 24-36 hours. The floor will not reach full cure for 5-7 days, and should be protected from chemical attack and spillage by applying a protective wax.

ADDITIONAL CAUTIONS AND RECOMENDATIONS

- Topcoat may peel if not installed within the timeframe listed above.
- The use of air fans to circulate air will speed the dry to touch time
- Do not use material after 2 hour pot life, material applied after 2 hour pot life will dry white.
- Do not apply in extreme heat or chance of uneven dark spots may.
- Coverage rates may vary due to porosity of surface.
- Mask all areas that need protection.
- Always wear protective clothing and equipment as required by OSHA and as necessary.
- Read Material Safety Data Sheets before commencing work.
- Use spiked shoes or cleats when walking into wet material.