



Application Guide

PM 400

PM 400 is a Virtually Odorless, "State of the Art", Industrial Grade Epoxy Coating designed for use as a protective floor finish where moisture vapor transmission is present. PM 400 exhibits excellent resistance to automotive fluids.

COMPONENTS

Primer/Base Coat: PM 400 - Two Component Epoxy

Finish Coat: PM 400 - Two Component Epoxy

RECOMMENDED COVERAGE RATE

200-250 sq. ft. per gallon (Primer/Base Coat)

200-250 sq. ft. per gallon (Epoxy Finish Coat)

NOTE: Consumption rate of primer may be dramatically affected by porosity of substrate.

POT LIFE

Maximum 2 hours in an open container at 75°F. Always re-mix if material has been unused for more than 30 minutes.

PREPARATION

PM 400 coating is specifically designed to be used on a concrete substrate. Concrete must be completely free of oil, grease, dirt and any surface coating or sealer.

CAUTION

Make certain all personnel has read and fully understood all safety precautions on product labels and Material Safety Data Sheets.

INSTALLATION

Step 1. Mixing

PM 400 is shipped in pre-measured kits. Mix Part "A" and Part "B" thoroughly before blending together. Pour part "A" into Part "B" and thoroughly mix. Mix with a Jiffy Mixer and a low speed drill (max. 650 rpm) for a minimum of 2 minutes. (If less than full kits are to be used, you may mix 1 part "A" to 3 parts "B" by volume).

Step 2. Primer Application

Pour mixture into a painters tray or use from the 5 gallon pail with a pail grid and slowly apply with a 3/8" nap roller (squeegee application is not recommended) to an even and smooth consistency at 6-8 mils WFT (200-250 sq. ft. per gallon). A standard 4 gallon mix should cover approximately 800-1000 sq. ft., but this will vary, depending upon the texture of the concrete.

Cure Time: Average tack free time is 6 to 8 hours. Allow to become tack free before beginning finish coat, approximately 6-8 hours at 75°F.

Step 3. Finish Coat Application

When PM 400 primer/base coat is no longer tacky, approximately 6-8 hours at 75°F, repeat application steps as in step 2. Coverage of finish coat will also be approx. 250-200 sq. ft. per gallon mix.

Optional for slip resistance. Add to final coat only - After mixing Part "A" and Part "B", add 1 pound of 80-100 mesh silica, white aluminum oxide or aggregate to one mixed 4 gallon kit of PM 400 and mix thoroughly. Pour into paint tray and roll out. Aggregate will settle in the pail if not applied immediately. Remix to suspend aggregate before pouring more material into the paint tray.

Caution: If primer/base coat has cured over 48 hours before additional coats can be applied, the base coat should be lightly sanded with a medium grit sanding pad and then vacuumed or swept to remove all dust and debris. Do not apply at temperatures below 65° F or above 95° F and above 80% relative humidity or when temperatures will fall below 50° F in a 12 hour period after application. KEEP FROM FREEZING. Material temperature prior to use should be above 68° F for ease of application.

Clean Up

Uncured PM 400 can be cleaned from tools using hot soapy water. After material starts to set, use mineral spirits or xylene for cleanup.

Return to Service

Normally allow new floor to cure a minimum of 24 hours @ 75° F before returning floor to light duty service and 36 hours @ 75° F before returning floor to full service. Cooler temperatures and high humidity will cause longer cure time. Be certain that the floor is hard and tack free before returning to full service.

The information above is to be used as a guideline. The coverages and times provided may vary due to temperature, humidity, mixing time, concrete surface and preparation used.

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