



Application Guide

PM 500

Milamar's PM 500 coating is a very durable chemical and abrasion resistant seamless floor finish. It is designed to be used as a topcoat for other Milamar seamless Floors or as a coating over Milamar epoxy primer.

COMPONENTS

PM 500 - Part "A" Chemical Resistant Urethane

PM 500 - Part "B" Hardener

(Mix ratio is 2 parts "A" to 1 part "B" by volume)

OPTIONAL: Various grades of quartz, granite or white aluminum oxide aggregate can be added for additional slip resistant properties.

RECOMMENDED COVERAGE RATE

200 sq. ft. per gallon

PREPARATION

(See Floor Preparation Section)

CAUTION

PM 500 contains solvent and requires adequate ventilation. Make certain all personnel has read and fully understood all safety precautions on product labels and Material Safety Data Sheets.

INSTALLATION

Step 1. Priming (For Concrete Substrates)

Milamar PM epoxy primers are designed to be applied by a squeegee or trowel then slowly back rolled. Do not entrain air into the primer by vigorous rolling action. See individual application directions on PM 100, PM 200, PM 300 or PM 400 when used as a primer or product system when using PM 500 as a finish coat.

Cure Time: Allow epoxy primer to fully cure. Surface must be tack free.

Step 2. PM 500 Urethane Application

When epoxy primer is no longer tacky, carefully mix 1 gallon of PM 500 Part "A" with 1/2 gallon PM 500 Part "B". Mixing should be done with a Jiffy Mixer and a low speed drill (maximum 650 rpm to avoid bubbling) for a minimum of 2 minutes. Be sure to pre-mix PM 500 Part "A" before mixing with Part "B" as settling may occur during shipping and storage.

PM 500 can be dipped and rolled or squeegee and backrolled. To apply by squeegee, pour entire contents of mix onto floor in a continuous ribbon. Slowly move and level the mixture with a flat squeegee or trowel, then backroll with a medium nap, phenolic core roller to remove any squeegee or trowel marks. A standard 1 1/2 gallon mix should cover approximately 300 sq.ft. (200 sq. ft. per gallon). Working time is approximately 20 minutes @ 75° F for PM 500.

If a second coat is required, coverage of PM 500 will be approx. 300 sq. ft. per 1 1/2 gallon mix following the same procedure as above.

For skid resistance, fine transparent slip resistant aggregate can be used in the final coat of urethane. PM 500 should be mixed thoroughly before adding slip resistant aggregate. Amount of slip resistant aggregate will vary in amount and texture depending on materials used. We recommend a sample of the slip resistant aggregate be tested with the PM 500 prior to application for acceptance of texture and appearance by the owner.

Caution: PM 500 contains solvent and requires adequate ventilation.

NOTE: If any coat has cured over 24 hours before additional coats can be applied, the receiving coat should be lightly sanded with a medium grit sanding pad and then vacuumed or swept and wiped with solvent to remove dust or debris.

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. Be certain that the floor is no longer tacky and hard before turning over to customer. Vehicles with rubber tires should not be parked on finished system within 48 hours of installation at 75° F.

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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