



Application Guide

PM 300 & 301

Milamar's PM300-301 cycloaliphatic epoxy coating is a very durable chemical and abrasion resistant seamless floor finish. It is designed to be used as a "stand alone" coating or as a top coat for other PolyMax Seamless Floors.

COMPONENTS

PM300 - Part "A" Pigmented Epoxy

PM301 - Part "B" Rapid Cure Hardener (7 hours)

(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

Average - 200 sq. ft. per gallon per coat

NOTE: Consumption rate will be dramatically higher on a porous substrate

PREPARATION

(See Floor Preparation Section)

CAUTION

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

INSTALLATION

Step 1. Priming (Optional)

PM 300-301 is normally a self-priming system. Priming should only be necessary when substrate is very porous or concrete is creating gas bubbles. PM100, PM152 or PM375 are also suitable primers when job conditions require priming.

Step 2. Mixing

Carefully mix 1 gallon of PM300 Part "A" with 1/2 gallon B301 Part "B". Mixing should be done with a 1 gal. Jiffy Mixer and a low speed drill (max. 650 rpm) for a minimum of 2 minutes.

Step 3. First Coat Application

Pour entire contents of mix onto floor in a continuous ribbon. Slowly move and level the mixture with a flat squeegee or trowel, then back roll with a medium nap 3/8" phenolic core roller to remove any squeegee or trowel marks. Cross rolling is normally not required but recommended as a precautionary measure especially at cooler temperatures. A standard 1 1/2 gallon mix should cover approximately 300 sq.ft. (200 sq.ft./gallon) but this will vary depending upon the porosity and texture of the concrete.

NOTE: Larger quantities of epoxy may be mixed if there is sufficient manpower to squeegee and roll before epoxy begins to set up. Working time is approximately 30 minutes @ 75° F for PM301.

If slip resistant aggregate is to be added, lightly and evenly broadcast aggregate into first coat (Step 3) after back rolling but before the epoxy begins to set.

To enhance even distribution of aggregate, it is recommended that the broadcast installer wear spiked shoes (old golf shoes are acceptable) to allow him to walk in the wet epoxy and stay close to the broadcast area.

Cure Time: Allow to cure at least 7 hours at 75° F before recoating.

Step 4. Second Coat Application

We recommend that PM300 be installed in two coats where chemical exposure is present and to improve finish and durability.

When floor is no longer tacky, approx. 7 hrs. @ 75° F, repeat Step 3. Coverage of PM300 will be approx. 300 sq.ft. per 1 ½ gal. mix (200 sq. ft. per gallon) on second coat.

CAUTION: If oily film is present or there is any sign of contamination on first coat, call TELE TECH at 1-800-459-7659 for information on removal before applying additional coats.

NOTE: If first 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 to remove dust or debris. Wiping surface with xylene or isopropanol alcohol to remove dust is recommended.

Clean Up

Uncured PM300-301 can be cleaned from tools using xylene or acetone.

Return to Service

Normally allow new floor to cure a minimum of 12 hours @ 75° F before returning floor to light duty service and 24 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.

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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