TECHNICAL DATA SHEET

PMR-100

EPOXY PRIMER

FLOOR COATINGS

PMR-100 is a two-component, high-solids epoxy primer designed for use on concrete surfaces. This high-performance decorative coating has a VOC content of less than 5 g/L and emits very low odor. It offers excellent chemical resistance and is fortified with an adhesion promoter and leveling agent, making it versatile for various applications. PMR-100 seals the porosity of concrete, encouraging a stronger bond with subsequent coatings and increases coverage rates of topcoats. PMR-100 is mold and mildew resistant.

APPLICATIONS

PMR-100 is designed for industrial floor applications, and is recommended for clean rooms, pharmaceutical, hospitals and laundry areas. It is produced using the latest technology in curing agents and epoxy raw materials that are readily available in the United States. All products are approved by Quality Control before packaging. With proper surface preparation, PMR-100 can be applied over existing coatings or concrete. Uses include:

- Warehouses
- Manufacturing
- Educational
- Pharmaceutical
- Garages
- Laundry Areas
- Hospitals

ADVANTAGES

- Low VOC's
- High-solids
- Low odor
- Good chemical resistance
- High mold and mildew resistance
- Excellent adhesion properties

PHYSICAL PROPERTIES

Pot Life	30-40 mins
Mix Ratio	2:1 (A:B) by Volume
Coverage Rate	150-200 sq ft/gal
Specific Gravity	
Side A:	1.13 ± 0.1
Side B:	1.02 ± 0.1
Tack-free	8 hours
Light Traffic	16 hours
Heavy Traffic	48 hours
Full Cure	7 days

Available in
1.5-gallon Kit
3-gallon Kit

Shelf Life
1 year in original unopened container.

Storage Conditions
Recommended storage temperature is between 75°F to 85°F. Do not store below 55°F or above 85°F.

Consistency
Pourable, self-leveling liquid.

Pot Life
Approx. 30-40 minutes (at 72°F)

Appearance
Clear

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MATERIAL COVERAGE PER GALLON

Coverage rate will vary based on concrete porosity, finish and environmental conditions. Typical installations will yield 150-200 sq ft per gallon.

SURFACE PREPARATION

Concrete must be mechanically ground or shot-blast to a profile resembling ICRI-CSP2-3. The concrete must be at least 28 days old.

APPLICATION RECOMMENDATIONS

Ensure the surface is clean and dry. PMR-100 has a low viscosity and is recommended to apply over prepped concrete with a squeegee and then back-rolled with a 1/4" nap roller, to minimize air entrapment.

Using acetone or MEK, clean rollers and tools. Tack-free time is 8 hours after initial coat to apply additional coats or topcoats.

This product is best applied at a temperature range of 50ºF to 85ºF, with humidity at 20% to 60%. PMR-100 is sensitive to excess substrate moisture content. The substrate moisture vapor emission rate must not exceed 3 lbs./1000 sq.ft. over a 24 hour period as tested using the calcium chloride test, ASTM F1869. If using a moisture testing meter, the moisture reading must not exceed 5%.

LIMITATIONS

This product is sensitive to moisture, alcohols, and liquid epoxy materials. Contamination with alcohols such as isopropyl alcohol (IPA), benzyl alcohol will cause product failure, foam, and excessive heat while mixing and applying. Contamination with liquid epoxy materials will also cause excessive heat and product failure. Do not re-use previously opened containers. It is not recommended this product be transferred to another container before mixing.

FIRST AID

Remove contaminated clothing. If Inhaled: Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. If on the skin: Wash affected areas thoroughly with soap and water. If in the eyes: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If swallowed: Rinse mouth and then drink plenty of water. Do not induce vomiting. Obtain medical attention.

WARRANTY

HTS warrants its products to be free of manufacturing defects will meet current published physical properties when applied in accordance with HTS directions and tested in accordance with ASTM and HTS standards. There are no other warranties by HTS of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HTS shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever.

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SAFETY DATA