

PERKI™

Protective Polyaspartic Aliphatic Coating

MANUFACTURER

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PRODUCT DESCRIPTION

PERK is an advanced, two part, 100% reactive, high solids, non-yellowing polyaspartic coating. It is available in clear and pigmented colors, with quartz aggregate or vinyl chip to produce an exceptionally durable and attractive seamless coating that can be placed in less than half the time necessary for comparable epoxy coatings. Key benefits of this product are a fast dual curing feature, wide temperature installation, with a simple one to one mixing ratio.

Utilizing state of the art polyaspartic polymers sourced from the premier supplier of basic raw material chemistry, **PERK** launches the use of thin film coatings to the next generation. Fast curing makes **PERK** a most competitive flooring option, with many decorative colors and finishes.

PERK is a low viscosity, easy to handle protective concrete coating that gives a very high gloss, non-yellowing finish that is both hard and abrasion resistant, but not brittle. **PERK** is easy to clean and has excellent resistance to a broad range of chemicals. It is very fast curing and may be used in temperatures as low as minus 30 F.

PERK was developed as a fast curing base coat and top coats that may be placed in a number of color and finish options, including clear, pigmented, decorative color chip (**PERK** Confetti) or decorative mixed color quartz (**PERK** Quartz), allowing the installation to be completed within one day, even at low temperatures. Typical uses include automotive repair facilities, factories, retail space, mechanical rooms, and maintenance shops. **PERK** may be applied in both interior and exterior applications.

Important characteristics of **PERK** include: excellent concrete penetration and bond strength, UV resistance and excellent color gloss retention.

FEATURES & BENEFITS

- Unique, fast dual curing for rapid turnaround of projects
- Attractive color and texture finishes.
- Excellent penetration and bond strength to concrete surfaces
- Light stable, UV resistant
- Excellent color gloss retention
- Short re-coat time, 1-2 hours
- Excellent chemical and stain resistance.
- Resists hot tire pickup
- Self priming
- VOC compliant

ESTIMATING

PERK is a two component product. Equal quantities of both Component A and B will be shipped.

PERK and **PERK** products are available as follows:

PERK Clear: 10 gallon (2- 5 gallon pails)

PERK Base color pigment: 2 gallon color package (component A, B and high performance pigment colors)

PERK Special color mix:
Vinyl Chip 55 pound box
Quartz 50 pound bags

COVERAGE RATES

Base Coat, Pigmented or Clear, 300-350 sq ft per gallon (7.5-9.0m²/L)

Second Coat, Clear, Broadcast coat, 500 sq ft per gallon (12.5 m²/L)

Third Coat, Clear, topcoat for Chip
Clear grout coat for Quartz 180 sq feet per gallon (3.5 m²/L)

Fourth Coat, Clear Topcoat for Quartz, 200 sq feet per gallon (3.5- 4.0 m²/L)

Technical Data

Applicable Standards:

VOC Compliant (special very low VOC formula available for SCAQMD California projects)

USDA approved for incidental food contact

Typical properties:

Mix ratio by volume	1:1
Solids Volume, Minimum	70%
Viscosity	very thin
Pot Life	25 – 30 Minutes
Tack Free	1 hour
Open to light traffic	2 hours
Full Chemical Resistance	72 hours
Gloss	+80
Hardness – Pendulum	175
VOC Mixed,	320 gr/liter



INSTALLATION

Surface preparation: All concrete surfaces must be structurally sound, clean, oil-free and dry. All surfaces must be mechanically ground to a 50 to 120 grit level to a Surface Profile of SP-2 as measured by ICRI Standard 03732. Do not shot blast. Do not acid etch. Moisture in concrete, as measured by conventional methods, must not exceed 3 pounds per 1000 square feet per hour. Relative humidity in concrete surface should be 80% or less. Do not apply to concrete less than 28 days old.

Old and existing concrete: Remove existing coatings, oils, greases, dirt and other contaminants from surface. Mechanically grind to remove contaminants, heavy laitance or protrusions which will interfere with the uniform penetration of PERK. Remove and repair unsound patches, fill holes, cracks and deteriorated area with fast setting, PERK Crack Tite and floor repair.

New Concrete: Allow concrete to cure a minimum of 28 days before application. Mechanically remove surface laitance, curing compounds, sealers or other contaminants. Concrete must be at least 28 days old, and have a maximum relative humidity of no more than 80%.

Mixing: 1) Premix **Pigmented** PERK component: Mix with a slow speed electric drill the pigment component package into the short-filled gallon container of Component A until thoroughly mixed. 2) For both pigmented and clear applications, equal quantities of Component A and B must be mixed together, slowly adding component B into the A side, while **hand mixing** to minimize air induction. Mix only enough which can be applied in 20 to 30 minutes.

Application: Uniformly apply pigmented or clear base coat of PERK to a clean dry, porous concrete surface by airless sprayer or roller at the rates specified. Rollers covers should be 18" and be made of a solvent resistant, phenolic core, 3/8 inch synthetic or lambs wool nap. If a pigmented PERK system has been chosen always apply the pigmented coat as the first or base coat. After the first coat cures to the touch, apply the second coat at the specified rate. For pigmented, colored floors, second coat will be pigmented as well. For colored PERK Confetti or PERK Quartz, the second coat will be clear, not pigmented.

For PERK confetti (chip) or PERK Quartz floors, broadcast chip or quartz immediately into the second, clear coat to insure adhesion. After second coat has set to the touch, remove excess chip and quartz per separate instructions, and apply a third coat, clear, to the surface to seal in the chip and grout in the quartz media. For easier maintenance, PERK Quartz floors typically require an additional final coat of clear PERK. Under normal conditions, all steps can be completed within a standard 8 hour work day.

FOR BEST RESULTS

Surface must be mechanically ground. Do not shot blast. Do not puddle. If more than 24 hours elapses between coats, the first coat must be lightly sanded in order to insure proper inter-coat adhesion. **PERK** is designed to be applied at a very wide application range. Lower temperatures and low humidity will slightly extend the cure time of this material. Apply only to frost-free, oil-free and thoroughly cleaned surfaces. Concrete must be a minimum of 28 days old. **PERK** will not yellow upon exposure to sunlight. **PERK** becomes a vapor barrier after curing. No recommended as a top coat for exterior decorative stamped concrete. Periodic reapplications are recommended for continued long term protection and appearance.

PERK is to be used **ONLY** by professional contractors. Not recommended for use by untrained personnel.

PRECAUTIONS

Consult the MSDS of each component material for proper handling and more detailed information. Wear protective gloves, goggles and clothing when handling PERK components. Prolonged exposure may cause skin irritation, dermatitis or other allergic reactions. Mix well in ventilated area. Do not breathe excessive fumes. Do not apply near HVAC intake vents.

Combustible: keep away from heat of open flame.

STORAGE/SHELF LIFE

PERK containers are to be kept tightly sealed and stored at 50–90 F. (10–35 C). Condition material at 50–70 F for 24 hours prior to use. Shelf life in original, unopened containers is 12 months.

PRECAUTIONS/LIMITATIONS

WARNING - Before using or handling L&M **PERK**, read the Material Safety Data Sheet and Warranty.

SHORT SPEC

097650: Special flooring: Water borne concrete dye. To be applied by trained installers. Observe all safety precautions. Limited warranty. "L&M PERK" by L&M Construction Chemicals, Inc. Omaha, NE.

Related Spec Sections:

033600 Special Concrete Finishes

039300 Concrete Rehabilitation

WEBSITE

L&M's convenient internet website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Visit www.lmcc.com and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime - anywhere!

LIMITED WARRANTY

The manufacture guarantees that the product will be of consistent color and mixture when received. The manufacturer has no control over the use of this product: therefore, no warranty, expressed or implied, is or can be made to either the affects or results of such use. In any case, the sellers and manufacturer's obligation under this warranty shall be limited to refunding the purchase price or replacing material proven defective.

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