



SLABHARD® GUARD

TECHNICAL DATA SHEET

High Gloss Concrete Protector

PRODUCT ID: PLDP46073-01, PLDP46073-05

PRODUCT DESCRIPTION

Desert Polymer Flooring's SLABHARD® GUARD is a copolymer formulation that improves the surface sheen and stain resistance of conventional concrete, hardened concrete, or cement terrazzo floors. Ideal for application to standard gray or colored concrete, SLABHARD® GUARD protects and enhances the color intensity of integrally colored and color-stained concrete.

Desert Polymer Flooring's SLABHARD® GUARD provides a long lasting, high gloss finish that eliminates the need for floor waxes, liquid polishes, and conventional resin-based coatings. SLABHARD® GUARD will not trigger or contribute to surface ASR (Alkali Silicate Reaction).

REGULATORY COMPLIANCE

VOC Compliance

Desert Polymer Flooring's SLABHARD® GUARD is compliant with the US Environmental Protection Agency's AIM VOC regulations.

TYPICAL TECHNICAL DATA

TYPICAL TECHNICAL DATA	
FORM	OPAQUE, WHITE LIQUID
SPECIFIC GRAVITY	1.08
pH	11.0
WT/GAL	8.99 lbs./gal
ACTIVE CONTENT	22%
TOTAL SOLIDS	22% ASTM D 2369
VOC CONTENT	<100 g/L
FLASH POINT	>212° F (>100° C) ATM D 3278
FREEZE POINT	32° F (0° C)
SHELF LIFE	1 year in tightly sealed, unopened container

ADVANTAGES

- Improved early water resistance.
- Low odor. Easy to apply. Fast drying.
- Produces a long lasting, high gloss finished concrete floor.
- Eliminates the need for floor waxes, liquid polishes and conventional resin-based coatings.
- Further improves the surface sheen and stain resistance of floors treated with Desert Polymer Flooring's SLABHARD® DENSIFIER XL.
- Tested and conforms to California Collaborative for High Performance School Indoor Air Quality standards. Use can contribute to LEED® for Schools points (EQ Credit 4).
- Gloss and hardness do not reduce slip resistance.
- Breathable and UV stable. Will not yellow, discolor, peel or flake.
- Non-flammable. Non-toxic. VOC compliant.

LIMITATIONS

- For indoor use only.
- Not for use on surfaces exposed to standing or pooling water.

SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job site controls during application and handling.

24-Hour Emergency Information:
INFOTRAC at 800-535-5053.

PREPARATION

Best practices are to protect all surfaces not designated for to receive SLABHARD® GUARD including people, vehicles, property, plants, from the product, splash and wind drift. Use polyethylene or other proven protective material. Do not apply to surfaces which are frozen, dirty or have standing water.

SPECIFIER NOTE: A waterproof barrier should be included in the construction of the floor to prevent upward migration of moisture from beneath the concrete flatwork.

Existing Concrete: SLABHARD® GUARD may be applied to existing, cured concrete of any age. Surfaces must be clean and structurally sound. Remove all foreign materials including bond breakers, curing agents, surface grease and oil, and construction debris using the appropriate Desert Polymer Flooring's surface prep cleaner.

Follow the appropriate cleaner with thorough water rinsing. If a d-limonene based cleaner/stripper is used, clean treated surfaces with Desert Polymer Flooring's Cleaner/Degreaser and rinse thoroughly.

Acid-stained concrete must be thoroughly neutralized and rinsed prior to application. Application may begin as soon as prepared surfaces are dry and free of ponded water.

The level of gloss achieved after application is dependent upon the condition of the substrate, including the level of pre-application grinding, exposure of aggregate, etc.

SURFACE AND AIR TEMPERATURES

Temperatures for application should be 40–100° F (4–38° C).

EQUIPMENT

Apply with low pressure sprayer and a microfiber or synthetic, lint-free mop. Fit sprayer with a 0.5 gpm (gallon per minute) spray tip. Do not atomize.

STORAGE AND HANDLING

Keep from freezing. Store in a cool, dry place. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperatures of 40–100°F (4–38°C). Do not double stack pallets. Dispose of in accordance with local, state and federal regulations.

APPLICATION

Read "Preparation" and the Safety Data Sheet before use.

ALWAYS TEST a small area of each surface to confirm suitability, coverage rate and desired results before beginning overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

Pre-testing will confirm suitability of surface preparation and application procedures proposed for general application, it will also determine the average coverage rates to be maintained over the entire project.

DILUTION AND MIXING

Do not dilute or alter when applying to cured concrete or cured/honed concrete.

Dilute one gallon of SLABHARD® with up to one gallon of fresh water when applying to polished or highly polished concrete.

TYPICAL COVERAGE RATES

Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times. Calculate the target coverage rate by testing a representative section of the prepared surface using the published application instructions.

Apply SLABHARD® at the highest coverage rate possible. Applications to highly polished floors yield the highest coverage rates. Two thin applications achieve better results than one heavy coat.

ESTIMATED COVERAGE RATES

The following coverage rate is offered for estimating only. See below for instructions on calculating project-specific target coverage rates.

- 2,000–3,000 sq.ft. (186–279 sq.m.) per US gal

CALCULATING PROJECT-SPECIFIC TARGET COVERAGE RATES

1. Prepare the test section in accordance with "Preparation" information above. Surfaces must be clean, dry and absorbent.
2. Add 1-gallon of SLABHARD® to a clean, pump-up sprayer. Apply according to Application Instructions below. Repeat as necessary to achieve the desired level of finish.
3. Measure the test area to establish the target coverage rate per gallon. Protect the treated area from moisture for 24 hours following application.

APPLICATION INSTRUCTIONS

Desert Polymer Flooring's SLABHARD® may be applied to steel troweled, honed, polished or highly polished concrete surfaces. For best results, treat floors with Desert Polymer Floorings SLABHARD® DENSIFIER XL before application of SLABHARD®.

1. Lightly wet a clean microfiber pad with SLABHARD® GUARD and wring out excess, leaving the pad damp.
2. Using a clean, pump-up sprayer, and working from one control joint to another, apply a light, fine spray of SLABHARD® GUARD to a small section of the floor.
3. Using the damp microfiber pad and firm downward pressure, immediately spread the SLABHARD® GUARD to produce a thin, even coating. Spread the product as far as possible while maintaining a wet edge. Properly

applied, SLABHARD® GUARD dries quickly. Stop spreading once drying begins. Avoid overlapping.

4. Allow to dry tack free, typically 20–60 minutes.
5. Once dry, burnish SLABHARD® GUARD using a high-speed burnisher fitted with a polishing pad suitable for use on high-gloss finishes. In addition to smoothing and polishing the treated surface, high-speed burnishing heats the SLABHARD® GUARD to help the treatment fuse and bond with the concrete for increased durability and longevity. Surface temperatures immediately behind the burnisher must achieve 91°F (33°C).
6. Repeat steps 1-5 above as necessary for the desired finish. Burnish between coats. Apply up to three coats for maximum gloss.

DRYING TIME

Under typical conditions, the surface is ready for traffic within 1-hour of final burnishing. Protect from water exposure for 24 hours.

CLEANUP

Before product dries, clean tools and equipment with fresh water. Immediately wash off over spray from glass, aluminum, polished or other surfaces with fresh water.

FINAL RESULTS

The floor is ready to use when dry. Smooth and hardened concrete surfaces should exhibit reduced water absorption and the desired sheen upon drying. Maximum water resistance will develop over 7 days.

MAINTENANCE

Sweep the floor daily with a microfiber pad or dry dust mop. When needed, dry buff with a high-speed burnisher to refresh gloss.

Though Desert Polymer Flooring's SLABHARD® GUARD improves the resistance of concrete floors to staining, acidic substances, including foods, may etch the floor and leave a residual stain. All spills must be cleaned up as quickly as possible.

Do not use other cleaners, including off-the-shelf and common household cleaners, which may contain acidic or alkaline ingredients that can dull the finish of floors.

To restore maximum shine to high traffic areas, dilute SLABHARD® GUARD with one-part water and repeat Application Instructions steps 1–5 in affected areas.

If additional protective treatments or surface coatings are desired, contact Desert Polymer Flooring's Customer Care for recommendations by calling 1-877-376-9994.

WARRANTY

The information and recommendations made are based on our own research and the research of others and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

Desert Polymer Flooring, Inc. warrants this product to be free from defects. Where permitted by law, Desert Polymer Flooring, Inc makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. Desert Polymer Flooring's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves Desert Polymer Flooring, Inc. from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of Desert Polymer Flooring, Inc. its distributors or dealers.

TECHNICAL SUPPORT

Factory personnel are available for product, environment, and job-safety assistance with no obligation. Call 877-376-9994 and ask for Customer Care – technical support.

Call Customer Care at 877-376-9994, or visit our web site at www.desertpolymerflooring.com, for the name of the Desert Polymer Flooring, Inc. representative in your area.

© 2020 Desert Polymer Flooring Inc. All rights reserved.
REV201908