



Diama-Grind & Seal

Item No: DPG&S – 100 – 07

1. Description

DiamaPro® Diama-Grind & Seal is an acrylic, waterborne, high solids sealer formulated to be used in grind and seal applications. **DiamaPro® Diama-Grind & Seal** brings out a “wet look” and the natural beauty of a ground concrete surface. The final appearance will have a higher gloss while offering protection from moderate staining and abrasion.

2. Recommended Uses

DiamaPro® Diama-Grind & Seal is suitable for new or existing concrete floors that have been ground to a suitable level. Ideal for use in commercial, residential, or institutional environments.

Features

- Dries clear with the glossy “wet look” finish
- Highlights color variations
- UV stable non-yellowing formulation
- Ideal for use on interior surfaces where harsh solvent-based systems cannot be tolerated.
- Seals, protects, and dustproofs.
- Most tile and carpet adhesives will adhere to the cured film.
- Can be used to seal troweled concrete surfaces. Testing is recommended for adhesion.

3. Technical Data

Cover Rates

- Ground Finish: 400 - 600 sq.ft./gal
- Troweled Finish: 400 - 600 sq.ft./gal
- Second Coat: 400 - 600 sq.ft./gal

Coverage rates are provided as a guideline only. Many factors including surface texture, application techniques, porosity and weather conditions will determine actual coverage rates.

Cure Time

- Room Conditions: (70°F & 50% RH)
 - Tack Free: 1-2 hours
 - Recoat Time: 2-4 hours
 - Open to Traffic: 4-12 hours

Cooler temperatures and high humidity rates will extend drying time

Shelf-Life: 1 year in original unopened container

PHYSICAL PROPERTIES

Composition and Materials:	Fine quality, pliable acrylic polymers in an aqueous system. Carefully blended and quality controlled, it contains no oils, saponifiable resins or waxes.
Material Color	Milky
Cure Color	Clear
V.O.C. Content:	< 100 g/L
VOC Regulatory Compliance	AIM OTC LADCO CARB SCAQMD CANADA
A.I.M. Category:	Sealers Maximum VOC 400 g/l
Applicable Standards:	-ASTM C-309, Type 1, Class A & B and Type 1D with a red dye added -AASHTO Des. M-148, Type 1, Clear -ACI Standard 302-77 for use on Class 1, 2, 3 and 4 concrete floors *

4. Limitations

- Apply in temperatures above 50°F.
- Protect from freezing and pre-condition to 60°F before use.
- Do not apply to surfaces that ponds water as this may cause blushing to occur.
- Not for use on surfaces where spillage of solvents, fuels, brake or transmission fluids are expected. Always test for suitability.



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- Recoating before recommended wait time may cause alligator cracking in the second coat

5. Application Procedures and Instructions

A test panel mock-up should be installed prior to project start up to determine coverage rates, diamond tooling, appearance, and final results. Apply enough **DiamaPro® Diama-Grind & Seal** to satisfy the porosity of the substrate while leaving a thin film on the surface.

DiamaPro® Diama-Grind & Seal is ready for use. Do not dilute. Surfaces must be clean, dry and free of foreign contaminants. Curing compounds and sealers should be removed during the grinding process as they could develop a blotchy appearance once sealed and inhibit the development of the “wet look”. Grind with no higher than a 100-grit copper tool but may stop at a lower grit. Vacuum and auto-scrub to remove dirt or dust prior to application. Allow surface to dry.

Application Procedures

DiamaPro® Diama-Grind & Seal is applied with a “T” bar coating applicator using a low pressure pump sprayer or pour method to convey the material to the floor. Spread the material evenly across the floor with the “T” bar producing a uniform wet film. It may also be applied with a brush in small, hard to reach areas. Spray apply in a uniform manner in front of the “T” bar and at the specified application rate, taking care to minimize lap marks. Always spray wet material into wet material. Use natural break points, such as joints as stopping points whenever possible. DO NOT OVER APPLY.

Maintenance

Any stains or spills should be removed as soon as possible. **DiamaPro® Diama-Grind & Seal** may be

reapplied to areas that are worn or where spills have removed the sealer once thoroughly cleaned.

6. Availability

DiamaPro® Diama-Grind & Seal is only available through **DiamaPro® Systems** Authorized Distributors and Applicators. Packaged in 5-gallon units 55 gallon drums. Only **DiamaPro® Systems Trained Applicators** are allowed to install **DiamaPro® Diama-Grind & Seal** For a list of Authorized Distributors or Applicators please contact **DiamaPro® Systems**.

7. Conditions of Sale / Limited Warranty

DiamaPro® Systems warrants that its products conform to the label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods are used. In as much as the use of **DiamaPro® Systems’** product by others and other factors affecting product performance are beyond **DiamaPro® Systems’** control, **DiamaPro® Systems** does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose.

SHOULD ANY **DiamaPro® Systems’** PRODUCT FAIL TO GIVE SATISFACTORY RESULTS, **DiamaPro® Systems’** WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF DIAMAPRO SYSTEMS’ PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.



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DiamaPro® Systems does not authorize any person to assume any other liability in connection with the sale or use of its products unless specifically authorized by **DiamaPro® Systems** in writing.

8. Technical Services

The **DiamaPro® Systems** office offers assistance with specifications, performance test data and field services.

9. Disclaimer

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers.

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