



PERMAGUARD™ PLUS

DS-36602-0220

**Globally Proven
Construction Solutions**

- Workshop Floors
- Utility Room Floors
- Light Duty Flooring



Advantages

- 5x Durability*
- No hot tire pickup
- Easy mixing, user friendly application
- Attractive gloss finish
- Good abrasion resistance
- Low VOC, low odor
- Low maintenance

*Per ASTM D2486 when compared to competitive garage paint coatings

Suitable Substrates

- Concrete (Interior Only)

Packaging

1 Car Garage Kit - 115 fl.oz. kit (3.4 L)

- Part A: 22.6 fl.oz. (668 mL) in a 1 qt can
- Part B: 92.6 fl.oz. (2.7 L) in a 1 gal can
- Decorative Chip: 1 lb (0.45 kg) bag
- Concrete Cleaner & Etch: 1 lb (0.45 kg) bag
- Stir Stick
- Instruction Manual

2.5 Car Garage Kit - 230 fl.oz. kit (6.8 L)

- 2 x Part A: 22.6 fl.oz. (668 mL) in a 1 qt can
- 2 x Part B: 92.6 fl.oz. (2.7 L) in a 1 gal can
- 2 x Decorative Chip: in 1 lb (0.45 kg) bag
- 2 x Concrete Cleaner & Etch: 1 lb (0.45 kg) bag
- 2 x Stir Stick
- Instruction Manual

1. PRODUCT NAME

PERMAGUARD™ PLUS

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA

Toll Free: 1.800.393.1684
Fax: +1.203.393.1684
Website: www.laticrete.com

3. PRODUCT DESCRIPTION

PERMAGUARD PLUS is a two component, water based epoxy floor coating. It provides an attractive colored gloss, seamless finish to concrete. Optional decorative chips can be used to enhance the final appearance.

Available Products

- 9825-0001-1 PERMAGUARD PLUS
1 Car Garage Kit - Grey
- 9826-0001-1 PERMAGUARD PLUS
1 Car Garage Kit - Beige
- 9827-0002-1 PERMAGUARD PLUS
2.5 Car Garage Kit - Grey
- 9828-0002-1 PERMAGUARD PLUS
2.5 Car Garage Kit - Beige

Uses

- Garage Floors
- Basement Floors

Approximate Coverage

Kit Size	WFT	DFT	Coverage
1 Car Garage	5-6 mils (0.13-0.15 mm)	2.5-3 mils (0.06-0.08 mm)	200-250 ft ² /gal (4.9-6.1 m ² /L)
2.5 Car Garage	5-6 mils (0.13-0.15 mm)	2.5-3 mils (0.06-0.08 mm)	400-500 ft ² /gal (9.8-12.3 m ² /L)

Coverage values are approximate and will vary based on surface condition, preparation methods and application technique.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored at temperatures >32°F (0°C) and <95°F (35°C). Do not allow to freeze

Limitations

- For interior applications only. Not designed for exterior use.
- Do not apply to concrete with moisture issues. (>3 lbs per 1,000 sqf over a 24 hour period)
- Substrate, material and ambient temperature must be between 60°F (16°C) and 85°F (29°C)
- Substrate temperature must be 5°F (3°C) above the dew point
- Ambient relative humidity must not exceeds 90%

Cautions

- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use. Visit permaguardgaragecoatings.com for additional installation videos, FAQs and tips.
- Wear protective gloves, protective clothing and eye protection.
- Keep out of reach of children.

4. TECHNICAL DATA

VOC/LEED Product Information

< 100 g/L (as intended for use)

Working Properties

Property	Value
Mix Ratio	Pre-Measured Units
% Solids	Approx. 50% by volume
Application Temperature	60°F - 85°F
Working Time	60 minutes
Minimum Re-Coat Time	24 - 36 hours
Maximum Re-Coat Time	72 hours
Foot Traffic	24 - 36 hours
Vehicular Traffic	72 hours

Dry times based on 75°F & 50% RH. Changes in ambient conditions may cause times to vary. Full cure and physical properties may not be attained until 7 days from date of application.

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation - New Concrete

New concrete should be allowed to cure for a minimum of 28 days prior to coating. Surfaces to be coated must be free of grease, oils and any other contaminants that may impede adhesion. For areas which requiring additional cleaning, use PERMAGUARD Cleaner and Degreaser. Multiple washings may be required to remove tough spills and stains. Sweep floor to remove any dust and large debris. Mix provided Concrete Cleaner & Etch with 2 gallons (7.6 L) of water in a pump sprayer or watering can. Evenly spray solution across the floor, working in 10' x 10' (3m x 3m) sections.

Once the cleaning & etching solution has been applied, scrub the floor with a stiff bristle brush paying particular attention to stains and areas where the tires come in contact with the floor. Thoroughly rinse the floor with water to remove any residual cleaning & etching solution, continuing to scrub as you do so. Squeegee off any standing water or puddles. Allow surface to completely dry.

Once the floor is dry, rub your hand across the surface, feeling for the presence of white dust or powder. If present, re-rinse with clean water and squeegee the floor to remove excess.

Any repairs to the floor must be addressed prior to coating. Substrate defects (crack, voids, divots, etc.) should be filled even with surrounding area using PERMAGUARD Epoxy Patch and sanded smooth (see data sheet DS 36609 for detailed application instructions) prior to the application of PERMAGUARD PLUS coating.

Surface Preparation - Previously Coated Floors

PERMAGUARD PLUS may be applied directly to previously coated epoxy floors. Existing epoxy coating should be sound and well adhered to the substrate. Use a wire brush to remove any loose or peeling sections. Sand and scuff the entire area to be coated.

PERMAGUARD PLUS cannot be applied to floors which were previously sealed. To test for the presence of sealers, perform a water drop test on multiple areas of the floor. Be sure to test the perimeter and middle of the floor. To perform water drop test, apply droplets of water to the surface of the concrete. Watch for the presence of beading. If water droplets remains and water is not absorbed within 2-3 minutes, mechanical profiling (shot blasting or grinding) is required.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Mixing

Components are provided in pre-measured units. Pour entire contents of Part A into the Part B can, scraping sides to ensure no material remains. Thoroughly mix Part A and Part B by hand for 2-3 minutes until a uniform color and consistency is achieved. If using PERMAGUARD PLUS 2.5 Car Garage Kit, mix only one unit at a time.

Application

Once mixed, material may be applied by synthetic 1/4" nap roller designed for epoxies or brush. Immediately after mixing, pour mixed material into a paint tray. Begin by using a brush or small roller to cut around the perimeter and any penetrations, columns, or other obstructions. Work backwards out of the room coating in small 4' x 4' (1.2 m x 1.2 m) sections. Evenly work the material over the surface until uniformly covered. Do not allow material to puddle. If desired, scatter the decorative chips by hand in a rainfall pattern into the wet resin. Leave a 1 ft (0.3 m) wet edge to avoid any lap marks which could cause differences in the final finish. Move quickly and coat the entire surface within the stated working time.

Allow material to cure for 24 hours prior to foot traffic and 72 hours prior to vehicular traffic.

If desired, for increased gloss and durability, PERMAGUARD PLUS Topcoat may be applied within 24-72 hours.

6. AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide.

For on-line distributor information, visit [LATICRETE at dYfa U i fXl UfU YWUjB gVea](http://LATICRETE.com)

7. WARRANTY

See 10. FILING SYSTEM:

- DS 230.13: 1 Year Product Warranty

8. MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependent upon a good routine maintenance program. PERMAGUARD floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. The use of properly placed mats, inside and outside, will help increase the life of the floor. Recommend maintenance program consist on frequent sweeping of debris from the surface and thorough cleaning utilizing a neutral pH cleaner (i.e. STONETECH Stone & Tile Cleaner). Frequency of sweeping and washing will vary depending on floor usage type, traffic and age.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the ÚÒÛT ÆŴŴÛÖ Technical Service Hotline:

1-800-424-LEAD
Toll Free: 1.811.424.5323
Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at dYfa U i fXl UfU YWUjB gVea.

10. FILING SYSTEM

Additional product information is available on our website at LATICRETE.com. The following is a list of documents:

LATICRETE International, Inc.
One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • www.laticrete.com
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DS 36604: PERMAGUARD PLUS Topcoat
DS 36609: PERMAGUARD Epoxy Patch
DS 36610: PERMAGUARD Cleaner and Degreaser
DS 36611: PERMAGUARD Moisture Seal and Concrete
Densifier

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