



Prep™ 100 Concrete Etch

A gelled compound specially designed to provide an evenly etched surface on concrete. Similar performance to hydrochloric or muriatic acid, but safer to use and produces 80% less odor and no corrosive fuming. Also easier to neutralize and rinse than liquid acids since it does not penetrate deeply or unevenly into the concrete.

Features and Benefits

- No effect on surface pH when properly rinsed
- Gel is easy to place and control
- Complies with ASTM D-4260 Method B
- Safer to use than liquid acids
- Easy clean-up and neutralization with water
- Delivers a 5-7mil profile within 30 minutes
- Will remove most concrete sealers while etching (test patch required)
- Water-based, non-flammable
- No DOT shipping restrictions
- Contains No TAP's or HAP's (Toxic/Hazardous Air Pollutants)
- No DOT shipping restrictions

Recommended Use

- Green and mature concrete
- Decorative concrete etching
- Efflorescence removal
- Factory, warehouse, airport hangar floors
- Concrete stairways
- Tilt-Up Concrete
- Exposed vertical or overhead concrete
- Masonry that needs to be etched
- For older floors with existing coatings, use Prep220

Product Data

Appearance:	Green gel
Specific Gravity:	1.2
Boiling Point:	212°F (100°C)
Freezing Point:	32°F (0°C)
pH:	1.0
Flash Point:	>221°F (105°C)
Coverage:	100 to 300 sq. ft/gal (Theoretical)
VOC:	0
Shelf Life:	24 months

Safety Precautions

Proper safety procedures should be followed at all times while handling this product. Refer to the Material Safety Data Sheet for important health/safety information before use.

MSDS are available through the DuraPrep® website, www.ppg.com/surfaceprep or by calling 412-434-4515.

Packaging

1 gal (3.8 L)	
5 gal (19.0L)	
55 gal (210 L)	Special Order
330 gal (1254 L)	Special Order

Limitations of Use

Surface temperatures should be at 40°F to 90°F (20°C to 32°C) **Prep™ 100** performs effectively at lower temperatures, but the dwell time must be increased.



Directions for Use:

Preparation: Ensure that all adjacent surfaces are suitably protected. Ensure that all areas to be etched are clean, dry and free of oil and grease.

DuraPrep®125 can be used to degrease surfaces as needed. Pre-wet or protect all areas not be etched which may come in contact with product or product rinsate.

Test Area: Always prepare a test patch prior to full application. This will indicate the time required for project completion and suitability of product for substrate. USE PRODUCT AS SHIPPED, DO NOT DILUTE.

Application: Apply desired thickness of **Prep™100**, (usually 10-30 mils) as determined from your test patch, by brush or rag to fully cover the concrete surface. A texture roller is the recommended application tool (see below right), it will provide the optimal film thickness.

Allow 15 minutes contact time, then agitate or back roll surface to introduce un-reacted **Prep™100** to the surface. Allow an additional 15 minutes contact time. Rinse with water and stiff brushes, pressure wash, or scrub surface to neutralize and expose etched concrete surface. Pressure washing is the preferred removal method.

Dwell Time: The time required to etch concrete depends on the type, pressure rating and age of the concrete. Higher pressure rated and older, dryer concrete will require more time and possibly reapplication. Most concrete will be etched within 30-40 minutes. Rinse the product off as soon as an adequate etch has been achieved. Longer contact times and additional agitation may be required for removal of sealers.

Removal: For best results a 1500-3000 PSI pressure washer is recommended. If pressure washing is not possible agitation with a stiff bristle broom is acceptable as long as sufficient water is used to remove the concrete particles loosed as part of the etching process. A wet vac can be used to remove rinse water where drains are not present. Prep™100 can be removed with a mop, however the low agitation does not remove the concrete particles or dust, and therefore scrubbing or dry vacuuming may be required to remove dust prior to recoating.

Re-Coating: As with any etching compound, it is advisable to check the pH of the substrate before recoating to ensure that it is compatible with the new coating system to be applied. After sufficient drying time, ensure the surface is sufficiently dry and dust free prior to recoating in accordance with good painting practice and the coating manufacturer's instructions.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact 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 USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

PPG believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



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Texture Roller