

Experience



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## FIRST STEP

FIRST STEP is a pre-grind, surface prep, cleaning and etching compound that is biodegradable and non hazardous material that helps prepare concrete for easier grinding. FIRST STEP allows you to start at a higher grit level in the diamond grinding and polishing process while significantly lowering your labor and diamond costs. FIRST STEP can also be used to prepare floors before acid staining and dyeing of concrete. Additional benefits include: FIRST STEP Degreases and emulsifies oil, grease and other dirt in one application.

Recommended Use for: Concrete, Cement Overlays

## General Product Data

### SOLIDS BY WEIGHT:

Proprietary

### SOLIDS BY VOLUME:

Proprietary

### VOLATILE ORGANIC CONTENT:

No VOC

### RECOMMENDED FILM THICKNESS:

Apply until surface is saturated without puddles. Can be applied by any plastic pump sprayer.

### COVERAGE PER GALLON:

200 square feet per gallon coverage.

### PACKAGING INFORMATION:

1 gallon and 4 gallon case (volume approx.)

### SHELF LIFE:

2 year in unopened containers

### STANDARD COLORS:

Red semi-transparent liquid

### FINISH CHARACTERISTICS:

After application of this product, the substrate may be cleaner and have a more grindable, stainable and cleaner.

### IMPACT RESISTANCE:

N/A

### ABRASION RESISTANCE:

N/A

### FLEXIBILITY:

N/A

### ADHESION:

N/A

### VISCOSITY:

Less than 25 cps

### DOT CLASSIFICATIONS:

Not regulated

### MIX RATIO:

Required none

### CURE SCHEDULE:

Allow material to react with the surface for 10-15 minutes or until dry.

### APPLICATION TEMPERATURE:

Between 40-90 degrees F. do not apply below freezing.

### CHEMICAL RESISTANCE:

N/A

### LEED CREDIT CONSIDERATIONS:

Materials and Resources: **MR Credit 1.2**-Building re-use. Indoor Environmental Quality: **EQ Credits 4.2**: Low emitting materials (VOC < 25 g/L). **MR Credits 5.2**: Regional materials-Greater than 20% extracted, processed and manufactured regionally at production location: Marietta, Georgia 30066. 90% Content- Harvested within 500 miles. **MR Credits 6.2**: Rapidly renewable materials.

### PRIMER:

Required none

### TOPCOAT:

Required none

### LIMITATIONS:

\*The surface can be damp prior to application but there should be no standing water or puddles. The best application would be with a dry substrate

\*Protect all adjacent surfaces before applying as this product can etch the surface of some metals.

\*Always apply a test patch to determine the suitability before using.

\*Physical properties listed on this technical data sheet are typical values and not specifications.

\*If the surface reaction is not noticeable after applying the FIRST STEP the concrete may have a sealer, or coating barrier that is preventing cleaner absorption. In this case, it is preferred to wet grind off the coating or strip the coating.

\*See reverse side for application instructions.

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## **FIRST STEP Application Instructions**

**PRODUCT STORAGE:** Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50 and 80 degree F. Keep from freezing.

**SURFACE PREPARATION:** none required FIRST STEP is a pre-grind, surface prep, cleaning and etching compound. Remove any loose dirt or debris before applying FIRST STEP.

**PRODUCT MIXING: None Required**

**PRODUCT APPLICATION:** Apply FIRST STEP with a plastic pump up sprayer. Do not use metal sprayers. Spray FIRST STEP in an even and consistent pattern at approximately 200sq ft per gallon to ensure complete coverage. Once applied allow FIRST STEP to remain on the concrete surface approximately 10 to 15 minutes. Then saturate with water and clean or start grinding. When grinding wet, a heavier than normal slurry will appear. After your first cut proceed with your application based on the flooring need. When applying FIRST STEP, if the surface reaction is not noticeable the concrete may have a sealer, or coating barrier that is preventing cleaner absorption. In this case, grind off the coating or you can strip the coatings with a Nikka Corp stripper. Then reapply the FIRST STEP to achieve the desired surface profile.

**CLEANUP:** For wet grinding process application add water and begin wet grinding. For dry grinding allow surface to dry and begin grinding. For staining and dying application rinse the floor thoroughly and begin stain application.

**RESTRICTIONS:** Restrict the use of the floor being treated during application of FIRST STEP.

**CAUTION:** Use personal protection equipment while using FIRST STEP a NIOSH approved respirator is recommended as the solution will be in a vaporized form and may cause irritation while applying with a sprayer.

### **Warranty**

Since no control is exercised over product use, The Nikka Corporation warrants that its products are manufactured free from defect and are consistent and within manufacturing tolerances on our data sheets. No other oral or written representation or statement of any kind, expressed or implied, now or hereafter made is authorized or warranted by The Nikka Corporation. This product is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular use. The Nikka Corporation shall have no liability for incidental or consequential damage, direct or indirect. Our liability is limited to price of or replacement of our product at our option. By accepting delivery of our product means that you have accepted the terms of The Nikka Corporation Warranty.

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