Global Polishing Systems

CONCRETE REFINE

PRODUCT DESCRIPTION

Concrete Refine is a neutral pH cutting compound, it enables rapid stock removal of concrete. The resulting scratch pattern is virtually nonexistent allowing for rapid recovery to a polished state.

TECHNICAL INFORMATION

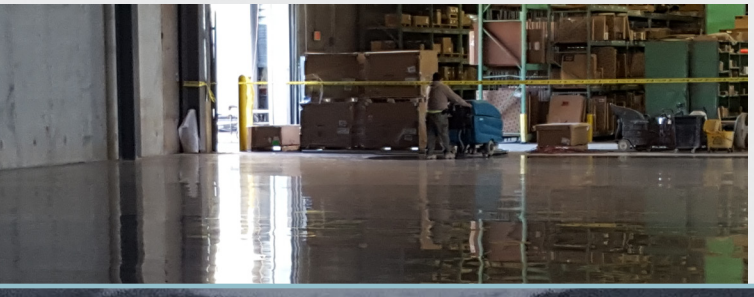
Odor/Color.....Fragrant smell/clear blue
pH Level.....6-9
Evaporation Rate.....> 1.0
Vapor Pressure.....> 2.2 torr @ 68° F (20°)
Density (water = 1).....> 1.0 @ 68°F (20°C)
VOC Content.....< 50g/L

SPECIFICATIONS/COMPLIANCE

- ASTM E 96-10, ASTM C 944
- ASTM C 779
- ASTM C 1583
- USDA Compliant, FDA Approved

PACKAGING

Item No.	*Package Size*	*Gallons*	*Liters*
PRSTAGE1P	Pail	5	18.9
PRSTAGE1D	Drum	55	208
PRSTAGE1T	Tote	275	1250



PRIMARY APPLICATIONS

- Cutting New Concrete
- Decorative Concrete
- Concrete that will receive a covering
- Polished Concrete
- Institutional Facilities
- Retail Showroom
- Industrial Floor Slabs

FEATURES & BENEFITS

- 100% miscible
- Zero VOCs
- Water activated
- Significant Labor Reduction 50 to 85%
- No stray swirls left in the concrete
- Tighter More Dense Surface
- Uniform Cutting

STORAGE INSTRUCTIONS

Do not break seal until product is ready for use. Maintain unused product in the original container. Store in a well-ventilated, cool, dry location and maintain temperatures between 40° – 100°F (4°– 38°C). This product has a shelf life of 18 months in its original unopened container.

COVERAGE

Application Rate	400 sq ft/gal (9.8 sq m/liter)
Applications Required	1

DIRECTIONS FOR USE

Concrete Refinement is a process requiring the use of three separate products: Cutting Compound, Hardener, and Sealer. The products must be used together to attain the desired results. **Concrete Refine** is designed for use during the initial grinding/cutting stage of concrete refinement.

Application:

There is no need to jiffy mix this material. Do Not Reduce.

1) Soak the floor to be ground with water. Apply enough water to saturate the concrete. Allow water to soak into the slab. There should be no standing water on the surface. For more aggressive grinding it is advised to saturate for as long as possible, 6 to 8 hours is not excessive. Cutting Compound may be applied and left overnight.

2) Wet the floor with the **Concrete Refinement - Cutting Compound**. Keep wet for a minimum of 30 minutes. For accelerated reaction you may scrub the product into the floor with an auto scrubber.

3) Use appropriate tool to start the project. (Straight edged tools for large aggregate, radius tools for heavy salt and pepper, semi-metals for light salt and pepper or cream polish). Grind the floor while it is wet with the cutting compound. All cutting prior to application of the densifier is done wet.

4) Pull the mud off of the surface

5) Keep wet with a water, it is not necessary to add more product.

6) Continue cutting until there is no drag on the slurry when you move it with a squeegee or the compound runs clear. This will take at least two to four slow passes. Machine speed should not exceed 300-400 rpms. Do not run the machine at high RPMs as it will to dry out the compound. Do not exceed more than 800 sq. ft. per gallon as compound begins to lose efficiency.

7) Clean floor with auto scrubber

8) If continuing to cut wet, move the next grit.

9) Clean floor with auto scrubber

10) Densify with **Concrete Refinement - Concrete Hardener** either before a 400 grit semi metal or after. If you choose to densify after the 400 grit semi metal make sure that all of the silica is removed from the surface prior to use of your first dry tool.

11) Floor must be completely dry before using first dry tool.

12) Dust Mop, with a non treated dust mop.

13) Seal with **Concrete Refinement - Sealer**.

14) Burnish with high speed burnisher and a black strip pad.

CLEAN-UP

Clean sprayers with warm, soapy water following use.

PRECAUTIONS/LIMITATIONS

- Incompatible with strong oxidizers and strong acids
- The Concrete Refinement process requires three separate products for best results.
- Do not allow the product to freeze. Store between 40°–100°F (4°–38°C)
- Do not dilute or blend with other products.
- Consult MSDS before use.

WARRANTY

Legacy Chemical LLC solely and expressly warrants that for 12 months from the date of purchase its Concrete Refine products shall be free from defects in materials and workmanship, but only to the extent that the product is properly installed by applicators in accordance with its product literature and in strict compliance with the installation information and instructions in the product literature and label(s). The buyer must examine the product when received and promptly notify Legacy Chemical LLC in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If any Concrete Refine product fails to conform to this warranty, buyer's sole and exclusive remedy shall be replacement of the defective product at no cost to the buyer. Unless authorized in writing signed by an officer of Legacy Chemical LLC, no other representations or statements made by Legacy Chemical LLC or its representatives, in writing or orally, shall alter this warranty.

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