

## PP4-KUT: RAPID GRINDING AGENT FOR WET OR DRY CONCRETE

# TECHNICAL DATA SHEET

### DESCRIPTION

PP4-Kut is a water-based rapid surface preparation agent used for the initial cut on hard, dense concrete and helps with exposing large aggregate faster than dry-only or standard wet methods. PP4-Kut also helps by dramatically increasing the productivity of lower grit diamond tooling. PP4-Kut achieves this by suspending concrete solids away from the surface for diamond tools to achieve maximum efficiency. This then shortens the project timeline, reduces labor costs, and extends the life of diamond tooling. Can be used as part of a full-flood wet process or as a mist as part of dry grinding.

### FEATURES

- Speeds up the time spent on initial cut on hard, dense concrete
- Helps with exposing large aggregate faster than dry only or wet methods
- Maximizes efficiency, increases productivity and extends the life of diamond tooling
- Reduces labor costs & shortens the project time-line
- Unique DRY method avoiding the hassle of dealing with slurry

### USES

- Hard, dense concrete floors
- Exposing large aggregate
- Newly poured concrete floors
- Cementitious terrazzo floors

### DILUTION & COVERAGE

PP4-Kut is shipped ready to use (RTU). Do not dilute or mix with any other chemicals. Coverage rate is approximately 200-400 sq. ft. per gallon. PP4-Kut coverage rates and drying times are dependent on concrete porosity, job site conditions, temperature, and relative humidity. It is always recommended testing a small area before starting the project.

### TECHNICAL DATA

<b>APPLICATION</b>	Sprayer	
<b>APPEARANCE</b>	Clear liquid	
<b>PACKAGING SPECIFICATION</b>	<b>Shipping weight</b>	<b>Container</b>
<b>PP4-KUT-1</b>	10 lbs	1 gallon RTU
<b>PP4-KUT-5</b>	50 lbs	5 gallons RTU
<b>PP4-KUT-30</b>	300 lbs	30 gallons RTU
<b>PP4-KUT-55</b>	550 lbs	55 gallons RTU
<b>PP4-KUT-250</b>	2500 lbs	250 gallons RTU
<b>SHELF LIFE</b>	2 years	
<b>SOLVENT</b>	Water-based	
<b>VOC</b>	Compliant (1g/l)	

## PREPARATION

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Protect people, vehicles, property, plants and all adjacent or nearby surfaces not intended to come in contact with product. Use protective materials as necessary. Ensure that all surfaces intended for application are clean and free of dirt, debris, and oil. Use Ameripolish® Oil Remediation to help remove and lighten oil spots.

## APPLICATION

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There are two application methods for PP4-Kut during the initial grinding or honing stages. The first method uses water which creates slurry and requires either a wet vacuum or auto-scrubber and the second method is done dry allowing for the PP4-Kut to dry under the grinding machine and using a dust extractor to vacuum up the remaining concrete dust.

### Method 1: Wet Grinding / Slurry

1. Wet the concrete surface with water and let stand for approximately 5 minutes or when the water has soaked into the concrete and no standing water is visible on the surface. Use a squeegee to push remaining water on the surface to other areas not in the immediate grinding area. Too much water will dilute PP4-Kut product and it will not be as effective.
2. Apply product directly in the grinding path at no more than 10 ft ahead of the operator. Apply product using Ameripolish® Sprayer or by pouring directly onto the floor and spreading with a bristle broom.
3. Grind the floor starting with the lowest grit specified for application. Ensure there is a fine mist of water from the grinder or other source to create a thick foam of slurry. Do not let PP4-Kut treated areas dry before operator has had time to reach the area. If drying does occur, re-treat area with more product. Never allow floor to completely dry.
4. Clean the floor in between grit steps using clean water and use a wet vacuum, or for best results use an auto scrubber with pad driver up and not touching the floor, using only water and the suction on, and the squeegee to pick up remaining water.
5. Follow steps above for each metal bond or transitional diamond tool grinding/honing step.  
Note: we only recommend using PP4-Kut for the initial and subsequent grinding or honing steps.
6. After all grinding and honing steps are complete, follow step 4 to clean surface with clean water and allow to completely dry.
7. Apply PP4-Densifier in accordance with the specification of the project.
8. Continue grinding and polishing process until at the desired level or polish.

### Method 2: Dry Grinding

1. Apply PP4-Kut using an Ameripolish® Sprayer or by pouring directly onto the floor and spread with a bristle broom. Keep floor wet/damp without puddling or completely drying.
2. Begin the initial grinding/honing step starting with the lowest grit specified for application. Do not let PP4-Kut treated areas dry before operator has had time to reach the area. If drying does occur, re-wet using more product. Never allow to completely dry until operator has completed the area.
3. Work treated areas to the point of drying where only dust remains during each grinding or honing step. Once completed areas are dry and creating concrete dust, a dust extractor should be used to collect airborne concrete dust.
4. Follow steps above for each grinding/honing step. Note: we only recommend using PP4-Kut for the initial and subsequent grinding and honing steps.
5. After all grinding/honing steps are complete, clean surface dust and debris using a dust extractor or other vacuum capable of collecting concrete dust.
6. Apply PP4-Densifier in accordance with the specification of the project.
7. Continue grinding and polishing process until at the desired level or polish.

## CLEANING

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Clean all equipment and tools with clean water when using Application Method 1(Wet Grinding/Slurry). Follow all local, state, and government regulations when disposing of slurry legally and properly.

Follow standard dry grinding maintenance on all used equipment when using Application Method 2 (Dry Grinding).

## STORAGE

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- Store upright in safe dry place at 45-100°F (7 -38°C)
- Keep product from freezing
- Keep out of reach of children
- Seal container after use
- Do not mix with other chemicals

## VOC COMPLIANCE

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PP4-Kut offers VOC compliance with low VOC at 1g/L and is also compliant with national, state and district regulations.

## HEALTH AND SAFETY

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Keep out of reach of children. Do not take internally. Before using this product please read the safety data sheet in its entirety! *\*Consult the material safety data sheet for further information.\**

## IMPORTANT NOTICE

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All statements, recommendations and technical information contained in this document are accurate to the best knowledge of PurEpoxy. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify suitability of this information for their own particular use, and to test this product before use. PurEpoxy assumes no legal responsibility for use upon these data. PurEpoxy assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product or refund the purchase price as set out in the purchase agreement.