
ULTRA-TRAK 5000 FINISH APPLICATOR

Tests and Outcomes of the Ultra-Trak
Finish Application System
Springfield Public Schools

Springfield Public Schools is a large district with over 3.75 million square feet in 61 sites. Included in these 61 sites are 5 high schools, 9 middle schools, 36 elementary schools, and several administrative sites. With this much area to re-condition each year, we are always looking for improvements in processes and/or equipment that reduce the labor and material costs, yet still produce high quality results. We decided to evaluate the Ultra-Trak 5000 finish application system by Fas-Trak Ind. Below are the results of our evaluation.

ULTRA-TRAK TESTING AND OUTCOMES

Test Site #1: Westport Elementary All-Purpose Room

The all-purpose room at Westport Elementary is 3200 sq. ft. It sees heavy daily traffic from breakfast, lunch, physical education, and many extra activities such as PTA meetings and special programs.

The floor was prepared for re-finishing with the shower scrubbing procedure using a tank roto, a 20-inch automatic floor machine with green scrubbing pads, and the EnVerros chemical DuoClene.

THE PROCESS AND RESULTS

STEP:	DURATION:	USAGE:	RESULTS:	COMMENTS/QUOTES:
1 st coat	12 minutes	Flow rate- 2.0 Finish usage= 2 gal.	Nice even coat. Looked good.	Very easy to operate. Comfortable handle positions
2 nd coat	12 minutes	Flow rate - 1.5 Finish usage= 1.5 gal.	Looks great!	1 st coat dry after 45 minutes.
Clean up	3 minutes		Very easy to clean!	Directions on placard are very clear and precise.
Employee feedback			3 Employees surveyed	Received a score of 9 on a scale of 1-10. "Very comfortable to operate."

TEST SITE #1 ANALYSIS:

The conventional method of applying finish with a finish mop would have taken 60 minutes at 3200 sq. ft./hr. and would have consumed 3 gallons of finish per coat. The total time and materials for the conventional method is 120 minutes labor and 6 gallons of finish. The total time and materials for the **Ultra-Trak method is 24 minutes and 3.5 gallons of finish.**

FINAL COMPARISON: For this application, the **Ultra-Trak is 5 times** faster and uses **50% less materials** than the conventional method. Employee feedback indicates that it is easy and comfortable to use, yet still provides great results.

Test Site #2: Parkview High School Lunchroom

The lunchroom at Parkview High School is 5060 sq. ft. It sees heavy daily traffic from breakfast, lunch, and extra activities such as meetings and after school programs.

The floor was prepared for refinishing with the shower scrubbing procedure using a tank roto, a 20-inch automatic floor machine with green scrubbing pads, and the EnVerros chemical DuoClene.

THE PROCESS AND RESULTS

STEP:	DURATION:	USAGE:	RESULTS:	COMMENTS/QUOTES:
1 st coat	20 minutes	Flow rate = 2.25 Finish usage= 3.0 gal.	Nice even coat.	Adjusted to 2.25 for better coverage. Extra time needed to trim around poles.
2 nd coat	20 minutes	Flow rate =2.0 Finish usage= 2.0 gal.	Looks Great!	1 st coat dry after 35 minutes.
Clean-up	3 minutes		Very easy to clean!	Rinsed system with Hot water and prepared for storage.
Employee feedback/quotes			10 Employees surveyed	Received a score of 9.5 on a scale of 1-10. "We need one of these". "Easy to Use"

TEST SITE #2 ANALYSIS:

Again, the conventional method of applying finish with a finish mop would have taken 90 minutes per coat at 3200 sq. ft./hr. and would have consumed 4.5 gallons of finish per coat. The total time and materials for the Conventional method is 180 minutes labor and 9 gallons of finish. The total time and materials for the **Ultra-Trak method was 40 minutes and 5 gallons of finish**.

FINAL COMPARISON: The **Ultra-Trak** was **4.5 times** faster and used **45% less materials** than the conventional method. As noted above, the **Ultra-Trak** provided a much more even coat of finish, which resulted in faster drying times. The entire finish application process has become much easier and more efficient for the employees as a result of using the **Ultra-Trak 5000**.

Additional Results: All the halls in the newly constructed wing at Parkview High School needed shower scrubbed, and 2 fresh coats of finish. This represents about 20000 sq. ft. We were given two 8-hour shifts to accomplish this task. With the **Ultra-Trak**, we completed the task on time and achieved high quality results. This task would have been nearly impossible to complete in the allotted time had the **Ultra-Trak** not been available.

A recommendation will be made to the Springfield school district to purchase more **Ultra-Traks** before the summer shutdown. This piece of equipment is capable of saving hundreds of labor hours, and thousands of dollars in product during the summer restoration period.

Fast-Trak Ind. also provided excellent customer service and training during this test period.

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