



CASE STUDY

ENCOMPASS HEALTH REHABILITATION HOSPITAL OF LAS VEGAS

ULTRA DURABLE TECHNOLOGIES' EPIC® FLOOR FINISH

OVERVIEW

In partnership with Ultra Durable Technologies, Flooring Maintenance Group provided Encompass Health Rehabilitation Hospital of Las Vegas (EHLV) with a low-maintenance and economical alternative to traditional acrylic floor care systems. One coat of EPIC® Floor Finish dramatically improved the appearance and gloss retention of the floors, even in high-traffic locations.

CHALLENGE

EHLV's previous floor care program was costly and required a very large amount of energy to maintain each year. On a quarterly basis, EHLV hired a contractor to power scrub the floors and apply 4 coats of acrylic wax to approximately 13,000 SF of high-traffic areas including halls, nursing stations and physical therapy gyms. The cost of this service was approximately \$6,000 per quarter.

In addition to subcontracting floor care for the high traffic areas, the "in-house" EVS floor care staff refinished patient rooms as hospital census allowed, which took an average time of

3-4 hours per patient room. Once completed, the acrylic floor finish would show signs of wear and begin losing its shine within three weeks of the application.

THE SOLUTION

EPIC® Floor Finish was developed by Ultra Durable Technologies to completely replace these ongoing and costly maintenance requirements associated with traditional acrylic floor care programs. One thin coat of EPIC® lasts an average of 3-5 years in high-traffic environments without the need for any buffing, stripping or recoating.



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The labor savings allows the EVS staff to focus on other important cleaning duties that often get neglected. Additionally, the use of EPIC® saves a tremendous amount of water, electricity, labor, and chemicals that can have a negative impact on staff, patients, and the environment. Finally, all floor care work requires staff coordination and staff and patient displacement, all of which is a disturbance to daily operations.

THE TRIAL

An initial trial of the EPIC® Floor Finish was led by EHLV's Controller, Ray Hardy. The goal was to monitor how long one coat of EPIC® Floor Finish would outperform the current acrylic floor finish. The area chosen was one of the busiest areas of the rehabilitation hospital – the front entrance and adjoining hallway.

In August of 2017, the worn-out acrylic finish was stripped/removed from approximately 512 SF of VCT flooring. One thin coat of EPIC® gloss was applied by Flooring Maintenance Group. After 8 weeks the floor showed little to no degradation in the level of shine or cleanliness which indicated that the EPIC® would last much longer than the traditional acrylic floor finish.

Beginning in November of 2017, EHLV contracted Flooring Maintenance Group to apply EPIC® to all major halls, nursing stations, break rooms, and physical therapy gyms. They utilized Flooring Maintenance Group's expertise in proper preparation and application procedures as an Ultra Durable Technologies' certified application contractor.

SUMMARY

As of August of 2019, EPIC® is still holding a high gloss level, with the only maintenance required being microfiber mopping in small areas and a walk behind auto scrubber with a microfiber pad on large open areas and halls. EHLV has received multiple compliments from patients, staff, and visitors on the appearance of EPIC® on their floors.

Beyond the financial savings EHLV has seen in comparison to old acrylic wax maintenance, they have had less downtime in patient rooms allowing for less patient disruption. Staff and public area maintenance procedures simply involve dust-mopping and spot-mopping with auto-scrubbing duties only as needed.

Overview of VCT Floor Maintenance at EHLV - 13,452 SF

Traditional acrylic wax

\$.45 per SF – scrub & refinish
\$6,053.40
Required 3 times a year
Average annual cost = \$18,160.20

EPIC® Floor Finish

\$1.45 per SF – strip & apply
\$19,505.40
Required every 3 years
Average annual cost = \$6,501.67
Average annual savings = \$11,658.53



For more information, contact:

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