

FEATURED PROJECT

Burlington · Walpole, Massachusetts · 25,000 SF Full Exposure Class 3 polish + sealed warehouse

Salvaging Another "Unpolishable" Slab — Eliminating a Six-Figure Overlay

Burlington, Walpole MA · General Contractor: **New England Construction** · Completed February 2026**25,000**

SQUARE FEET

6 × 20yd

DUMPSTERS REMOVED

Class 3

FULL EXPOSURE

\$150K+

OVERLAY BUDGET SAVED

THE CHALLENGE

Another slab written off as unpolishable.

The existing slab was buried under self-leveling underlayment, mastic, and old epoxy coatings — layered, contaminated, and inconsistent across the 25,000 SF footprint. Like our L.L. Bean Framingham project, this floor was flagged as a candidate for a polishable overlay, with the overlay scope already factored into the budget by the design team.

OUR APPROACH

Grind through the layers. Expose sound concrete. Polish it.

We deployed four Husqvarna PG 830 RC remote-controlled planetary grinders in parallel and removed the SLU, mastic, and epoxy systems to expose sound, polishable concrete. The strip-out generated six 20-yard dumpsters of waste. Once the slab was clean, we ran our standard 10-step Class 3 progression with full Worx+ Totally Boost densifier protocol — four Potassium passes during build, two Lithium passes during finish.

▶ THE OUTCOME

Class 3 Full Exposure polish on a slab written off as unpolishable. Overlay budget eliminated — over \$150,000 returned to Burlington. Delivered on schedule with full OSHA Table 1 silica compliance throughout.

WHY IT MATTERED

"Burlington was looking at a polishable overlay across 25,000 SF. We brought four 830s, ground through every contaminant on that floor, and turned it into a Class 3 finish. That's the difference between owning the equipment and renting it — and between self-performing the prep and subcontracting it out."

SYSTEM & EXECUTION DETAIL

Burlington · Walpole, MA

New England Construction · 25,000 SF · February 2026

Equipment, tooling, densifier strategy, and finished floor

EQUIPMENT & SYSTEM USED

PRODUCTION GRINDERS

Husqvarna PG 830 RC (×4)

Four remote-controlled triple-head planetary grinders deployed in parallel to remove SLU, mastic, and epoxy and reach sound concrete on schedule.

DUST CONTROL

Airworx 55T HEPA

Paired with the 830 fleet for full OSHA 29 CFR 1926.1153 Table 1 silica compliance — airborne dust kept under threshold throughout demo and polish.

DIAMOND TOOLING

Worx+ Full Lineup

Metal Bond Rox · Spec Series · Impact 3 · Universal · Flex Resin · Tempo Pad — full progression to 1500 grit.

DENSIFIER STRATEGY

Totally Boost · 4× K + 2× Li

Four-stage Potassium build during open-profile phase, two-stage Lithium finish for clarity, gloss, and stain resistance.

SALES FLOOR FINISH

Class 3 · Full Exposure

Penetrating sealer + final burnish. Permanent finish — the slab itself is the floor. Large-aggregate exposure consistent across the footprint.

WAREHOUSE / STORAGE

Sealed Concrete

Two-zone scope: sealed concrete back-of-house separated from the polished sales floor — durable, low-maintenance surface where polish was not required.

EXECUTION SEQUENCE

- 1 Demo & Removal.** Four PG 830 RCs ran metal-bond tooling to strip SLU, mastic, and epoxy — six 20-yard dumpsters of waste hauled.
- 2 Substrate Prep.** Continued grinding to a uniform, blank-canvas slab ready for polish.
- 3 Surface Refinement.** Worx+ grouting diamonds + Potassium #1 to seal pinholes and densify.
- 4 Transition Grinds.** 50 & 100 grit Spec Series with Potassium #2 and #3.
- 5 Resin Polish Build.** 200 grit Impact 3 with Potassium #4 final build.
- 6 Resin Refinement.** 400 Universal & 800 Flex with Lithium #1 finishing chemistry.
- 7 Final Polish.** 1500 Tempo Pad with Lithium #2 — Class 3 Full Exposure mirror finish.
- 8 Seal & Burnish.** Worx+ penetrating sealer + final burnish; warehouse zone sealed and turned over.

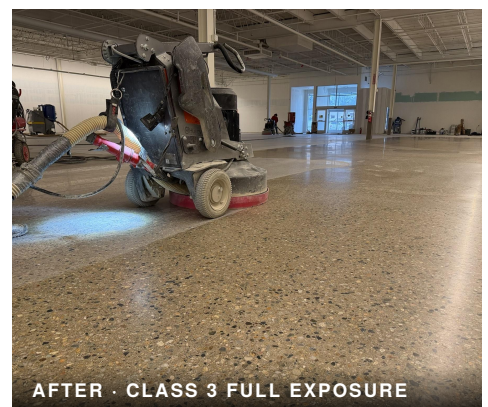
THE FINISHED FLOOR



BEFORE · THE SLAB



DURING · POLISHING IN PROGRESS



AFTER · CLASS 3 FULL EXPOSURE

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