



CASE
STUDY

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LOCATION: Albany, Oregon • **CONTRACTOR:** Chris Nath, Concrete Restoration Technologies

PROJECT

Knife River Training Facility

CHALLENGE

- Cracked substrate with poor aggregate mix
- Tight deadline
- All surfaces were finished, and existing floor finish heights had to be flush
- Operational facility with staff in the building

FEATURED PRODUCTS

ARDEX EP 2000™

Substrate Preparation Epoxy

ARDEX K 523™

Self-Leveling Concrete Topping with Aggregate Surface

ARDEX ARDIFIX™

Low Viscosity Rigid Polyurethane Crack and Joint Repair

SITUATION

With a very cracked and pitted substrate, the project required 7,000 sq. ft. of prep, crack treatment, prime, install, grind, hone, and seal in only 8 days due to a major event that was planned within the facility.

SOLUTIONS

SUBSTRATE PREPARATION – SHOT BLASTING

ARDEX ARDIFIX, a two-part polyurethane repair compound was used to repair all cracks in the substrate. ARDEX EP 2000™ Substrate Preparation Epoxy, the required primer for decorative applications of ARDEX self-leveling toppings, was applied to the substrate to prepare for the installation of ARDEX K 523™, a self-leveling concrete topping with aggregate surface.

INSTALLATION

ARDEX K 523™ was installed at 3/8" then cut with a metal 60 grit to open followed by 50g resins, densified and then sealed with a penetrating matte sealer. The client was pleased with the successful installation meeting the tight deadline.

