

CASE STUDY

Project

National Institutes of Health Building 10 – Clinical Center, Bethesda, MD

Installer

NCF Interiors (NCFi) – Washington, DC

Contractor

Gilbane Building Company

Featured Products

ARDEX K 60™ ARDITEX Rapid Setting Latex Smoothing and Leveling Compound (4,100 units)

Situation

The world's largest clinical research hospital is NIH Building 10 or the Clinical Center (CC). Built in 1955, it is the oldest, largest (600,000 sq. ft.), and most active clinical building on the NIH campus. This phase of the renovation involved 173,000 square feet.

Challenge

- Mechanical prep revealed surface deviations up to 1/2" (12 mm)
- Floor must meet demanding NIH tolerances for flatness
- An existing semi-rigid waterproofing membrane would not bond with any underlayment or patch

Solution

NCFi is an experienced and skilled installer of ARDEX products. Following a consult with ARDEX District Sales Manager Michael Frey and ARDEX Manager of Government & Military Accounts Lew Rea, it was agreed that ARDEX K 60 ARDITEX was the perfect solution.

ARDEX K 60™ can be installed over interior concrete, terrazzo, ceramic and quarry tile, steel, select epoxy coating systems and non-water-soluble adhesive residue on concrete. In most applications, no mechanical profiling or priming is required. This self-smoothing, trowelable, latex leveling compound can be installed from a featheredge to 1/2" (12 mm) over large areas.

Several leveling products were field tested but ARDEX K 60 ARDITEX was the only compound that bonded to the semi-rigid waterproof membrane without cracking or disbonding.

NCFi installed 4,100 units of ARDEX K 60 ARDITEX and provided a floor flatness that met the NIH exacting specifications.



Photo Source: National Institutes of Health (NIH)

NIH Building 10 Clinical Center
National Institutes of Health, Bethesda, MD



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