

Fort Hood Outside Killeen Texas



The Situation: Fort Hood is a United States military post located outside of Killeen, Texas. It is located halfway between Austin and Waco, about 60 miles from each. Fort Hood has nearly 65,000 soldiers and family members and includes the Carl R. Darnall Army Medical Center and the Medical And Dental Activities as tenant units. "The problems with the barracks, mess halls, chapels and other facilities across the installation originated with heating, ventilation and cooling system malfunctions; leakage of water into the building from pipes and through walls and roofs; and old building designs," said Jay Glazener, DPW facility manager.

The Problem: Previously, Fort Hood's approach to managing mold and mildew problems included two basic options. First, wipe down the walls, throw away the bedding and upholstered materials, and paint the walls. Second, tear out the walls and discard all furniture and bedding, effectively gutting and renovating the entire area along with all adjacent areas costing the government time, money, equipment and facilities.

The Solution: Contracting officers worked with the DPW facility management team to research, test and implement a strategy that uses hydrogen peroxide gas to treat mold and bacteria. The CIMR[®] Technology air purification system is a combination of two technologies - ionization and commercial infection control technology.

The Results: The first and second tests were successful in eliminating mold and mildew. The Texas State Board of Health was originally skeptical about the process. However, after seeing the rooms and reading the test results, the board chose to move forward.

The new process is efficient, cost-effective solution to battling mold and mildew," Glazener said. At Fort Hood, more than 100 barracks rooms, a dining hall and a section of the Keith Ware Hall have been treated. The process effectively eliminated mold and mildew growth and has never failed. Rooms that were completely covered and looked black with mold are now pristine.

Materials such as cloth, chairs, furniture and mattresses are saved, sanitized and reused unless they are torn or worn out. After treatment, the remediated materials look brand new.

"This is a feat no other process has been able to duplicate to this point," Glazener said. "This process works and saves the government time, money, equipment and facilities, while improving the quality of life we at the Fort Hood DPW can provide for our soldiers.

Brad Britain, Mold Remediation Team Leader
Christine Luciano, Environmental Outreach Coordinator
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