

# CASE STUDY

## VA Medical Center of Indianapolis

### VA Hospital Meets Codes With Aroseal Duct Sealing

ERV system leaks made it impossible to balance and adjust airflow

Just months after opening the doors to its new Veterans House, the VA medical center of Indianapolis, Indiana discovered that the building's Energy Recovery Ventilation (ERV) system wasn't working properly. The diagnosis: intake and exhaust ductwork running throughout the building and through the ERV were full of leaks, making it impossible to balance and adjust airflow. Strict government standards require a leakage rate of 10% or less. Pretesting showed a leakage rate that exceeded 45% in some areas. Faced with this reality, VA administrators were contemplating a massive setback – the prospect of having to empty out the facility, close its doors and begin tearing down walls and ceilings in order to access the ductwork and manually seal the leaks. Lucky for all involved, the project's construction company did a little internet research and came across an alternative solution ... Aroseal.

It took Reupert Heating & Air just three days to seal the building's ductwork – the alternative option

would have taken a year or more to complete and hundreds of thousands of dollars more in added demolition and construction costs to accomplish. Aroseal works from the inside of the duct system to locate and seal leaks, so finding and sealing all of the various holes and gaps throughout the entire duct system could be accomplished without disturbing any of the newly finished construction. The aroseal technology is safe and highly effective. The work was done over Memorial Day weekend and the building was open for veterans and their families the following day.

Aroseal was first brought in to seal the exhaust ducts that ran from the bathroom grilles to the ERV. After VA administrators saw how effective and unobtrusive the sealing process was, the scope of the sealing project was expanded to include all four airflow systems.

*"Aroseal proved to be the right solution for the problem. I've been in this business for quite a long time and I've seen quicky solutions come and go, but this one actually held water ... or I should say 'air' as the case may be."*

**Timothy Flynn**  
General Engineer  
Roudebush VA Medical Center



**Use Aroseal On Your Next Job For Faster, Guaranteed Results!**



info@dvc solutions.tech



866-DVC-SOLU



www.dvc solutions.tech



### PROJECT OVERVIEW

#### PROPERTY OWNERS

Veterans Administration

#### LOCATION

Centerville, Ohio

#### ENGINEERS

RL Turner Corporation; Indiana

#### AROSEAL EXPERTS

Reupert Heating & Air

#### TYPE

3-story temporary housing facility

#### GOAL

Meet ERV specifications

#### BEFORE AROSEAL

900+ CFM\* of total leakage

#### AFTER AROSEAL

63 CFM of total leakage

#### RESULTS

Reduced average leakage by 93%



I did my research and found that short of tearing down and starting over, there was only one option – Aroseal. For retrofits and new construction projects like this, it is the ideal solution. The technology prevented a much more expensive and invasive procedure.

**David Petty**  
RL Turner Corporation

The before and after reports showed us the results. The VA's independent contractors then came in and confirmed what we already knew – Aroseal did the job. And while we were simply looking to reduce leakage and fulfill specification requirements, it doesn't take a rocket scientist to add up the difference Aroseal made in system performance and know that it also provided a significant savings for somebody's checkbook.

**Joe Reupert**  
Reupert Heating & Air

