

Construction
Case Study



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Tight Timeline, High Standards On-Site Mechanical Dehumidification

We designed and employed a multi-pronged effort that dried the substrate on time, on budget and without impeding progress on the active construction site.

The Challenge

A leading contractor contacted Global Drying Equipment facing a schedule crunch and a rapidly approaching planned start date for flooring installation. Moisture levels in the concrete were too high to ensure warranty.

The active construction site was a future hospital and healthcare center, meaning that stricter standards were in place for final inspections.

Chemical mitigation, though a formidable option to stay on schedule, was pricey and would yield a less permanent solution. Mechanical Dehumidification would save money and yield a lasting solution. The key was figuring out how to complete the drying without interrupting the construction activity.

The Solution

Global Drying Equipment designed an aggressive dehumidification solution and was on-site the day following the approved proposal. Over the eight-week drying period, our team delivered and set up the needed equipment, provided ongoing monitoring services and developed necessary containments.

The Results

At approximately \$2 per square foot, compared to \$6-\$7 for chemical mitigation, our approach delivered the targeted moisture reductions while maintaining the construction activity and schedule.

With a quick response, professional-grade equipment and crew, GDE delivered an effective and affordable solution on this complex drying project.

Sector: Contracting / Healthcare

Solution: Mechanical Dehumidification for Flooring Install

Challenge: Tight Timeline, Coordination with Subcontractors, Stringent Quality Standards

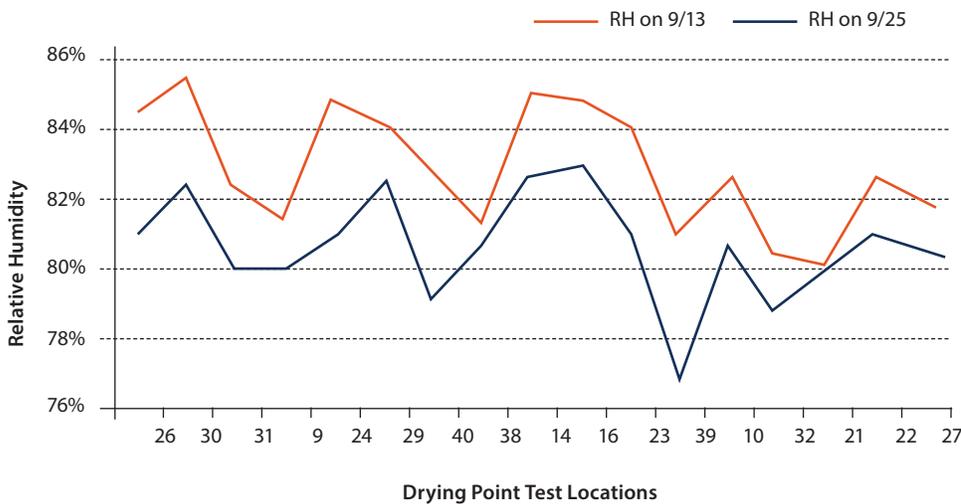
Result: Dried to Target Moisture Levels – on time and on budget

“GDE provided an effective solution comprised of desiccant dehumidifiers, air movers and LGR dehumidifiers, enabling the project team to meet its goals. This solution should be considered by project teams facing similar concrete moisture challenges.”



Project Data

Concrete Relative Humidity - 12-Day Drying Period



Key Figures

Project Overview

- On-site eight weeks from setup to completion
- Worked side-by-side with hundreds of construction personnel
- Completed project at approximately \$2/square foot

Equipment Used

- 9000 CFM and 5500 CFM Desiccant Dehumidifiers
- 2000 CFM Air Scrubbers
- Air Movers
- Phoenix R200 LGR Dehumidifiers (for concentrated drying)

About Global Drying Equipment

Global Drying Equipment is a commercial rental company serving the specialized needs of restoration, construction and industrial painting professionals. We rent and maintain a fleet of professional-grade drying and climate control equipment including commercial dehumidifiers, air movers, air filtration and more.

For more information on how we help contractors and builders, visit www.globaldryingeqpt.com/construction

