



CONSTRUCTION  
DRYING

# Dry Wall Application



Property Damage  
Restoration



Temporary  
Humidity Control



Property Damage  
Prevention



APPLICATION

## Overview

Moisture derived from high humidity conditions and wet building materials can often create conditions that can lead to costly construction delays. Mould, warranty issues and costly material replacement and repair charges can lead to long schedule delays and potential legal battles.

One way to ensure drywall projects remain on schedule and problem free is through controlling the climate inside the building utilising Munters desiccant dehumidifiers. This advanced drying technology lowers the relative humidity and the dew point simultaneously providing a condition for the efficient and reliable drying of drywall and joint compound.

As moisture is continually introduced inside the building, for example, through plastering and painting, the dehumidifier system will continue to control the moisture load 24 hours a day, seven days a week. The systems are so effective that results are achieved in a matter of hours after installation, enabling drywall projects to be completed more efficiently and within schedule.

Drywall is a typical construction material used for walls and ceilings in new and refurbished buildings. The general nature of drywall is hygroscopic and is extremely sensitive to moisture. Moisture is often the major problem in maintaining the production schedule during the installation and finishing of drywall. Excessive moisture load can come from rain, poor building construction design, moisture evaporating from typical construction materials at the site and condensation. For example, concrete and paint can release thousands of gallons of moisture vapour into a space during application, creating significant moisture related challenges.

Additionally, construction sites in extremely humid climates will often experience drywall installation related problems. Moisture related problems for drywall include nail popping, shrinkage, cracking, contamination, mould, and joint replacement. The use of Munters services will allow drywall installation in a quick, efficient manner, while reducing overall moisture related liabilities.



Munters units in position.



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## PROCEDURE

In order to ensure that the equipment is tailored specifically to each construction project, the following requirements are necessary:

- Size of the room
- Location and number of all envelope openings
- Product specifications
- Site logistics
- Weather conditions
- Electrical source and location

Only when this information is compiled and analysed can the suitable equipment be selected. Munters personnel then engineer the equipment for specific applications to meet the desired specifications and to avoid contamination.

Munters technicians' service and check the equipment, ducting and ancillary items prior to delivery. It is vital that the dehumidification equipment and ducting is clean to eliminate the threat of contamination. The equipment is then placed in a designated area, positioned close to a power supply and set up to maximise the safe operation of the unit.

Munters state-of-the-art desiccant dehumidification systems are utilised to dehumidify the ambient air in the structure which ensures that the materials are protected, the workers are safe and the project stays on schedule. Munters provides a turnkey solution with well engineered equipment, offering around the clock service that is unmatched in the industry.



Keeping moisture in check will keep your project under control and on schedule even in the harshest of conditions.



Temporary plastic ducting is utilised to effectively distribute treated air to all areas of the project site.

## RESULTS

Munters experienced and highly trained staff can consult customers on the best solutions for their specific situation. By utilising Munters' state-of-the-art climate control equipment, conditions are closely controlled to maintain relative humidity, dew point and temperature through out the facility. Munters' advanced solutions eliminate the risks of problems caused by excess moisture at the job site. Construction schedules can be maintained while protecting the overall project.

## BENEFITS

- Energy cost savings, incorporating environmentally-friendly technology
- Maintains tight construction schedules
- Increased project quality
- Improves productivity by providing comfortable working conditions
- Sand drywall joints faster
- Around the clock technical services
- Eliminates mould growth
- Minimises material related warranty issues due to temperatures.