DRY LIKE A PROFESSIONAL
Phoenix Equipment for Construction Applications

WET BUILDING MATERIALS

“There is an estimated $9-10 billion spent to correct construction defects each year. 80 percent of those defects are moisture-related. 41 percent of the moisture-related problems developed in the envelope of the building.” (Originally Nov 2007 Architectural Record)

That adds up to 3.7 to 4.1 billion dollars annually on moisture related problems which can be eliminated with climate control, including dehumidification.

WET STRUCTURES

Weather intrusion into the building envelop can happen on any job. This moisture must be removed as quickly as possible to prevent future damage, or mold growth.

MOISTURE CHARGE BACKS

Mold growth can occur within 48 hours. Mold requires high moisture levels which equate to about 70% RH. This is the easiest variable to control and prohibit mold growth. Phoenix dehumidifiers and humidity monitoring systems can provide you with proof that the building environment was kept below the conditions needed to support mold growth.

COLD/DAMP WORK ENVIRONMENTS

Increase employee productivity and morale by controlling the temperature and humidity in the work environment. This can be done while you are also controlling the environment to protect against defects. Desiccant dehumidifiers work in colder temperatures when traditional refrigerant units won’t work. This can help eliminate damp work environments.

RECOMMENDED EQUIPMENT FOR THESE APPLICATIONS:

PHOENIX REFRIGERANT DEHUMIDIFIERS
PHOENIX DESICCANTS
PHOENIX AIR MOVERS
ADHESIVE WARRANTIES

The warranty provided by the manufacturers of adhesives typically include specific information about the need to control the moisture content of the floor during the installation of their product. You can eliminate charge-backs due to adhesive failures causing delamination and buckling. Moisture is a byproduct of the construction process. The average new 2000 square foot home contains, on average, five tons of moisture that must evaporate from the structure.

CUPPING AND GAPPING OF HARDWOOD FLOORS

Wood is a hygroscopic material. It responds to humidity levels by expanding and contracting. Wood should be allowed to acclimate to the environment it will be installed in. Wood should be installed in an environment that is kept between 40% and 60% RH. Failure to control the humidity or moisture content while installing hardwoods can result in charge-backs due to cupping and gapping.

PAINT AND DRYWALL PRODUCTIVITY

Paint and drywall drying times can be dramatically reduced by controlling the temperature and humidity level during the construction process. Good joint compound drying can occur in as little as 2 hours. In extreme conditions, it can take two or more days. Paint drying is affected in a similar manner. Ensure there isn’t lost time between coats and finishing.

WET CONCRETE

Concrete Drying allows finished floors to be installed in less time.

SURFACE PREP

Surface prep and coating application demand very low dew point air to do the job properly. Phoenix has a full line of desiccant dehumidifiers that are designed to provide very low relative humidity levels which refrigerant dehumidifiers cannot reach.

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PHOENIX REFRIGERANT DEHUMIDIFIERS
PHOENIX DESICCANTS
PHOENIX AIR MOVERS
LEAD/ASBESTOS/MOLD

Recent legislation requires HEPA air scrubbers for asbestos removal and HEPA filtration during lead abatement on all houses built before 1978. “Ventilation of the regulated area to move contaminated air away from the employee’s breathing zone to a filtration or collection device equipped with a HEPA filter.”


HEPA/NEGATIVE AIR REQUIRED

When working on an existing structure such as a hospital, there may be the need for HEPA filtered air and/or a contained work space. Phoenix HEPA air scrubbers and other ductable climate control equipment allow you to finish the job while keeping occupants safe from airborne dust particles.

RECOMMENDED EQUIPMENT FOR THESE APPLICATIONS:

PHOENIX AIR SCRUBBERS

For more information
Call Keith Hosli, National Sales
608-209-7617
khosli@thermastor.com
Dry like a Professional

Phoenix Equipment for Construction Applications

Phoenix Low Grain Refrigerant Dehumidifiers
- Designed for maximum drying dramatically reducing drying downtime
- Features significant air filtration dramatically improving air quality
- High performing with multi-ducting options
- Rugged and portable for easy maneuverability on the jobsite

Phoenix High Velocity Air Movers
- High CFM with high velocity directional airflow
- Rugged housing with on-board GFCI and circuit breakers
- Superior stacking and cord wraps for easy storage and transporting

Phoenix Desiccant Dehumidifiers
- Ultra-low humidity control with high performance
- Lightweight durable construction, easy-to-use
- Can be used for a wide variety of industrial applications and a superior concrete drying solution

Phoenix HEPA System Air Scrubbers
- Superior air filtration capturing 99.97% of all removable airborne particles
- Use as an air scrubber or negative air machine
- Portable and rugged with true HEPA performance

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1.800.533.7533