

Maintaining Dry Construction

Limitation: Moisture Delaying Work

Moisture does not evaporate easily from concrete, drywall and painting during humid months. Slow curing time delays construction progress. High humidity in the building can lead to more serious issues, namely mold and fungus growth. Continuous humidity control is becoming a more common specification for construction projects. Refrigeration and desiccant dehumidifiers typically deliver air with dew points above 50°F, when subjected to wet morning inlet air conditions of 75°F and 100% relative humidity. Combined refrigeration / desiccant systems are effective, but are expensive to operate.

Solution:

SubCooled Air delivers 40°F dew point air to controlled spaces even under coastal morning conditions. Operating costs of a combined refrigeration / desiccant system can be reduced by over 75%. Thermostatically controlled reheat provides supply air temperature of up to 85°F. During the day, when building temperatures can exceed 100 °F, cold 40 °F dew point air is directed toward workers, creating a comfortable micro-climate. Dehumidified supply air at 85°F and 40°F dew point can be delivered at night to remove moisture from that day's work.



Benefits:

- **Lower dehumidification operating costs by up to 75%**
- **Sturdy, reliable equipment**
- **40°F supply air dew point**
- **40°F to 85°F supply air temperature**

For an engineered review of your application, or to learn more about Subcooled Air, visit www.subcooled.com, contact our staff in Houston, TX at 713-201-1478 or send us an email to tomd@subcooled.com.