

Tools and Helpful Hints for Mold Protection

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Mold and Humidity



Relative Humidity vs. Absolute Humidity

- ***Relative Humidity*** is a ratio of the actual water vapor content of the air to the amount of water vapor needed to reach saturation.
- ***Absolute Humidity*** is the mass of water vapor contained in a given volume of air.
- Relative humidity (RH) increases as you cool the same air

Helpful Hints

- **Moisture Control and Air Circulation are key:**
 - Control moisture during high humidity maintenance events (waxing, painting, carpet cleaning, etc.)
 - DO NOT bring in humid air unless it will be conditioned
 - Mold likes stagnant conditions
 - Maintain ventilation in space with water sources and typical moist conditions.

Helpful Hints

- **Note Improperly Working Air Conditioning:**
 - Short cycling of air conditioner = **DANGER**
 - Bigger is not always better!

Helpful Hints

- **Watch for Thermal Differentials/Condensation**

Targets:

- Walls between spaces
- Floors, table tops, etc.
- Stagnant plenums

Helpful Hints

- **Take Care in Understanding How Buildings are Conditioned over the Summer/Unoccupied Humid Times:**
 - Cooling loads have changed
 - Outside air humidity conditions are typically the worst

Conclusion

SEEK PROFESSIONAL HELP EARLY!

**DO NOT WAIT FOR MOLD
AMPLIFICATION!**