

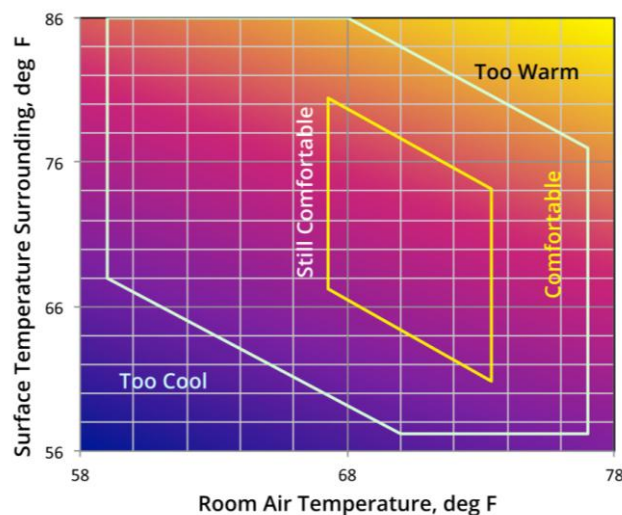
Thermal Comfort Investigations

Comfort is a subjective state, yet extremely desirable.

The motivation to achieve comfort is powerful as most people feel and perform best when comfortable.

Thermal comfort is one type of “comfort”, and covers complaints such as:

- ◆ Too hot, too cold
- ◆ Too dry, too damp space
- ◆ Draft, stuffy



Building-related factors

At least four building variables affect thermal comfort: Air temperature, mean radiant temperature, air velocity, and relative humidity. The chart below shows just two of these factors as determined by an average occupant response. As we can see, thermal comfort has defined boundaries.

Occupant factors

Combine the above building factors with personal variables such as clothing insulation, activity level, stress, previous acclimatization, outdoor conditions and

building type, it can be challenging to satisfy several occupants at one time.

We use sophisticated remote sensing to evaluate your house as a complete system which includes the building envelope and its mechanical systems and provide you direction on viable options.

Call us to investigate your building and let us identify the causes and improvements which will help you enhance your thermal comfort.