Advantages

- The static system helps overcome effects of starting tests at different times of year (winter vs. summer)
- Greatly reduces temperature intermittency effects
- Manages maximum temperatures throughout the test to a user defined set-point
- Increases exposure temperature if desired
- Increases morning and afternoon exposure temperatures
- May improve acceleration factors by increasing thermal degradation
- Can be used in conjunction with standard EMMA or other temperature controlled products

How it works

- A controller, similar to the thermostat in your home, is programmed by the operator to the desired temperature
- A temperature sensor, such as a black panel or a test material with an imbedded thermocouple, is mounted in the exposure target area
- The controller speeds up the cooling blower if the target temperature sensor is hotter than the “set” temperature or will slow down the cooling blower if the target temperature is lower than the “set” temperature
- The target board exposure maintains the “set” temperature throughout the day and throughout different seasons
- Multiple static controlled EMMA devices may be used in conjunction to vary the desired temperature