



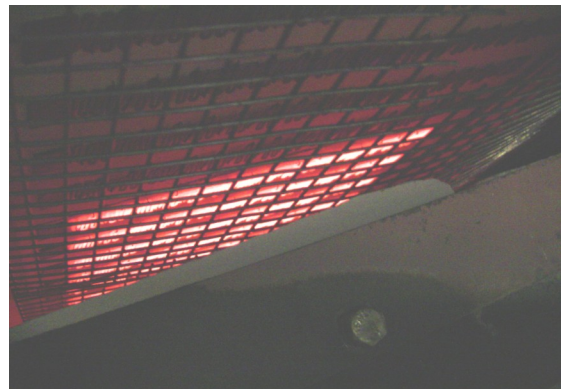
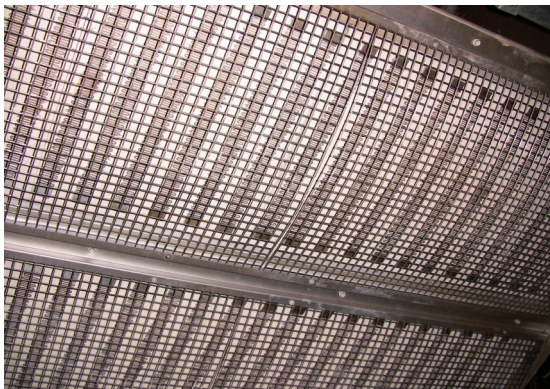
NONWOVEN TERMS

For the informed employee

Infrared Heat

Infrared heaters work like the sun. Heat is transferred from the heater to the object being heated by radiation. It is radiation that has a wave length that is just below that of visible light. In most applications used in nonwovens, the infrared radiation is produced by running electricity through wires, lamps, rods, or strips of metal that get hot and emit the radiation. It is not like nuclear radiation and it cannot penetrate your body. However, prolonged exposure to it can cause skin burns. Some of the characteristics of infrared are:

1. It can be turned on and off rather quickly.
2. It does not heat the air between it and the fabric.
3. The amount of heat applied to the fabric varies as the square of the distance. What that means is that if you double the distance between the heater and the fabric, you get only one fourth the amount of heat on the fabric.



“I shall be telling this with a sigh somewhere ages and ages hence: Two roads diverged in a wood, and I - I took the one less traveled by, and that has made all the difference.”

Robert Frost

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