



If you worry about EMF from your warm floor...

...then put your baby on **SunTouch**

An emerging issue in the electric radiant heat industry is EMF (electromagnetic field) radiation. Many companies sell only single-wire systems that release very high levels of EMF. SunTouch only sells dual wire systems, a patented EMF-canceling technology.

Electromagnetic fields (EMF) come from all electrical appliances, but studies show an average American's daily exposure is less than 1 unit (mG) of EMF. When you sit on an unshielded electric radiant floor, you may be exposed to more than 40 times the average daily exposure. Shockingly, some electric floor products expose homeowners to about the same electromagnetic field radiation as if you put your face directly against the door of a microwave oven.

Know your exposure

Today, there is only one scientific and independent third party test to measure electromagnetic fields produced by electric radiant floor heating systems, known as "REET" or Radiant Electric Emissions Test. Watts Radiant and the ETL Semko division



of Intertek, the global leader in the testing, inspection, and certification of products for manufacturers, developed REET. Unlike unverifiable claims made by some companies, the REET test measures each company's products according to standard procedures.



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REET Test Procedures

The REET test procedures specify twenty standard points of measurement across a four foot by four foot area of warm tile. Unlike some companies that measure EMF 2' or 3' above the floor, ETL makes each measurement at an exact height of 1/2" above the electric heating wire. Those point measurements are calculated to yield an average radiation value for each product for both electric and magnetic field radiation. Calibrated, laboratory grade test equipment is defined in the REET procedures and used by ETL Semco technicians to conduct these tests. Health care concerns have focused on the magnetic, or H-field, measured in milligauss or mG.



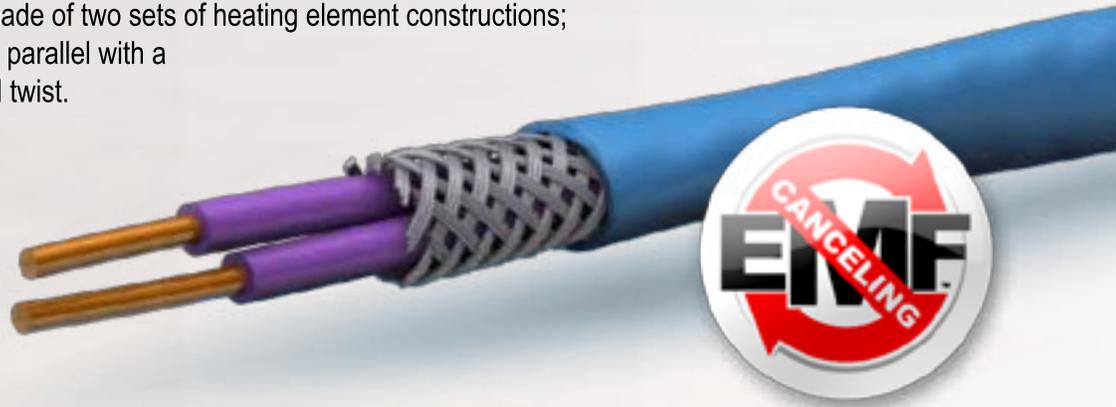
The first series of test results for Watts Radiant products and for other manufacturers showed a startling variation in H-field exposure. In one notable head-to-head comparison of electric mats of similar size and amp rating, a competitive product emitted over 700 times the H-field radiation as the Watts Radiant mat.

The difference is in the wire

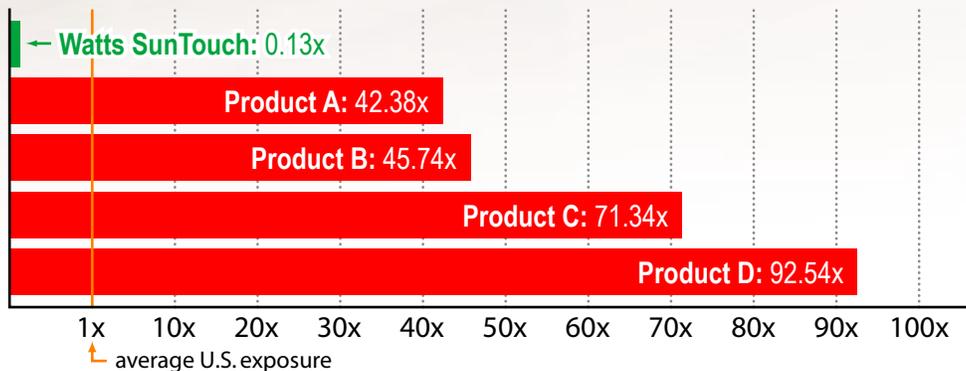


There is no practical technology for passively shielding a heating element to virtually eliminate H-field EMF. The only effective approach is "active shielding". This means canceling the H-field of one heating element with the H-field of another parallel element. Watts Radiant uses this approach with a complex wire made of two sets of heating element constructions; running them in parallel with a patented helical twist.

The prestigious ETL Semko Laboratory recently tested Watts Radiant's SunTouch floor warming product along with four competing products according to the rigorously defined REET procedures.



Each heating product covered about 35-40 square feet. This is the most common coverage for residential bathroom installations. The results speak for themselves:



If you are concerned about EMF exposure, insist that any electrical floor warming products be tested by ETL Semko, and that the true EMF output, according to the REET test, be published and made available to you.



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