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## Emisshield™ Coatings Thermal Properties

Emisshield™ Coatings are based on the technology of Protective Ceramic Coating; a coating patented by NASA for the re-usable launch vehicles: X-33 and X-34. The following is technical information about PCC (and therefore Emisshield™ Coatings) as determined by NASA.

		Notes:
<b>Thermal Conductivity:</b>	<b>1.4 W/m/K at 350°C</b>	By Dr. Rex Churchward, former NASA employee, inventor of PCC and reported to Wessex Inc. on July 31, 2002
<b>Emissivity:</b>	<b>0.94<sup>1</sup> at 2000°F</b>	By Dr. Demetrius Kourtides, former NASA employee and inventor of PCC
<b>Dielectric Constant</b>	<b>K = 3.9 at 1 Hz</b>	By Dr. John Dillard, Virginia Tech Chemistry Professor and consultant to Wessex Inc.

Notes:

<sup>1</sup>Emissivity will range from 0.85-0.95 depending on temperature and wavelength

**Please contact your Emisshield™ Coating representative for more information.**



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