

**Emisshield™ Ceramic/Refractory ST-Series  
Products and Uses**

<b>Emisshield™ Product</b>	<b>Recommended Operating Temperatures</b>	<b>Substrate Type</b>	<b>Area of Use</b>
ST-1	Up to 3500°F	Fibrous and Low Density Material	To be used when maximum heat radiation is required. Can also be used at lower temperature applications when maximum re-radiation is desired.
ST-2	Up to 3500°F	Dense Refractory	To be used when maximum heat radiation is required. Can also be used at lower temperature applications when maximum is desired.
ST-3	Up to 3500°F	Dense Refractory	Coating with the highest solids content. Coating is sodium free for systems where sodium is a contaminant.
ST-4	Up to 2300°F	Fibrous and Low Density Material	Protection of substrate and/or prolonging life of substrate is more important than heat re-radiation, this product is recommended.
ST-5	Up to 2300°F	Fibrous and Low Density Material	Heat re-radiation higher than ST-4 is necessary. Protection and/or prolonging of life at lower operating temperatures.
ST-6	Up to 2100°F	Dense Refractory	Protection and/or prolonging life of substrate is more important than heat re-radiation.
ST-7	Up to 2100°F	Dense Refractory	Applications when heat re-radiation higher than ST-6 is necessary.
ST-8	Up to 3000°F	All	Applications in contact with molten aluminum. ST-8 will act as a release agent as well as providing heat re-radiation.
ST-9	Up to 2300°F	Dense Refractory	Can be used as an alternative to ST-3. Coating is sodium free for systems where sodium is a contaminant.
ST-10	Up to 2000°F	Fibrous and Low Density Material	Applications that require a low emissivity coating.
ST-11	Up to 2100°F	Dense Refractory	Prolonging the life of the refractory at a lower operating temperature. Recommended as an alternative to ST-2.
ST-12	Up to 2300°F	Dense Refractory	Prolonging the life of the refractory at a lower operating temperature. Recommended as an alternative to ST-2.
ST-14	Up to 3500°F	Graphite Only	The substrate is graphite. Recommended for graphite uses only.
ST-15	Up to 2400°F	Fibrous and Low Density Material	Reduces porosity, remains dark in color, inhibits corrosion and offers maximum heat reradiation.
ST-16	Up to 3000°F	Fibrous and Low Density Material	Reduces porosity, remains dark in color, inhibits corrosion and offers maximum heat reradiation at higher temperatures.



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## Limited Liability/Warranty Statement for Emisshield™ Products

Wessex Incorporated makes the following limited warranties for its Emisshield™ Products for a period of **thirty (30) days** after your receipt of the products ordered.

### **Warranty of Composition**

Wessex Incorporated guarantees that all Emisshield™ Products received by Buyer will be true and consistent with the accompanying Certificate of Analysis.

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### **Exclusive Remedy**

If buyer believes that an Emisshield™ Product available from Wessex Incorporated fails to conform to the composition designated in the accompanying Certificate of Analysis, Buyer shall inform Supplier of such lack of conformance prior to the expiration of the Warranty Period. Upon such notice and return of the nonconforming Product's composition, at the Supplier's cost, Wessex Incorporated will analyze and determine if the Product conforms to the Certificate of Analysis. If the Product is determined to be nonconforming then Supplier's sole obligation and Buyer's exclusive remedy shall be replacement of the nonconforming Composition with (a) a conforming quality of Product or (b) if such quantity is not available, delivery of an equivalent substitute Emisshield™ Product or refund of the purchase price, at Buyer's option. Supplier shall pay shipping, packaging, and insurance expenses associated with such return and replacement.

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### **Buyers Obligations**

Buyer acknowledges that Buyer is familiar with the proper methods of handling, storing, and disposing of Emisshield™ Products. Buyer agrees that Wessex Incorporated shall have no liability for Buyer's use of the Emisshield™ Products.



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