

## EMISSHIELD® ST-5.1



Product Data  
6/18

**Description:** High Emissivity Coating for Refractory Substrates in the Glass Industry

**Features:** • High Emissivity.

### Product Information

Substrate	Castable/Hard Refractory
Type	Matte Finish
Maximum Service Temperature	1832°F (1000°C)
Emissivity	0.85 to 0.92
Coverage Rate	170 ft <sup>2</sup> /gal (4.2 m <sup>2</sup> /L)
Coating Thickness	75 to 150 µm
Density	137 to 156 lb/ft <sup>3</sup> (2.2 to 2.5 g/cc)
Thermal Conductivity	(1.1 to 1.3 W/mK)

### Installation Guidelines

Contact Emisshield Inc. for installation guidelines.

Shelf Life (Under Proper Storage Conditions) 3 months

### Sintering Instructions

No sintering required. No firing schedule required.

Emisshield is designed and manufactured by Emisshield Inc., Blacksburg, VA.