

## EMISSHIELD® M-6

Product Data  
6/18

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

- Features:**
- High Heat/Energy Radiation.
  - Oxidation Resistance.
  - Glazes to Form Impermeable Barrier.

### Product Information

Substrate	Metal
Type	Pinhole-Free Glaze
Maximum Service Temperature	1796°F (980°C)
Emissivity	0.80 to 0.93
Grey or Non-Grey Body	Grey Body
Coverage Rate	200 ft <sup>2</sup> /gal (4.9 m <sup>2</sup> /L)
Coating Thickness	30 to 100 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) 1 year

### Sintering Instructions

In an oxidizing atmosphere, heat to 1500°F (815°C) at a rate of 100°F/hour, hold temperature for one hour, then cool at any rate. Large and/or complex shapes may require additional time at temperature. Surface will appear glassy when fully sintered. Color change is normal.

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