# High-Temperature High-Watt Heating

A safe and efficient way to provide extreme temperatures and high watt density heating

Application Note

## Application

Manufacturing/Industrial companies often need to heat tanks, hoppers, vessels, conveyor ovens, piping & valve systems, etc. to extremely high temperatures. Additionally, they may require the heat-up to occur rapidly. Often these applications are located in hazardous areas, wet areas, or environments where products may be subject to harsh conditions.

## Solution

BriskHeat's Mineral Insulated (MI) Heating Cable is an excellent heating solution for these types of applications. MI cable can reach temperatures of 1,832°F (1,000°C) and has a watt density of up to 76.2 watts/ft (250 watts/m). The high watt-density capabilities of MI cable provides incredibly fast heat-up and reliable temperature maintenance at extremely high temperatures. Additionally, its high-quality construction offers numerous benefits:

Magnesium Oxide Core - Safe electrical insulation with maximum thermal transfer.
Tubular Metal Sheath Cover - Extreme durability and environmental protection.
Laser-Welded Sleeves - Ultimate reliability and extended service life.
4 Outer Sheath Options - To best match application environments.
Custom Lengths - Manufactured to meet exact requirements.
Waterproof - Completely submersible and chemical resistant, IP67.
Hazardous Areas - ATEX approved for use in hazardous are locations.

## Additional Uses

Tanks and vessels
Power generation hoppers
Containers and drums
Valves, flanges, and metal tubes
Radiant heaters
Furnaces
Floodgate heating
Reactors
Plate Heating
Pump Heating
Continuous heating ovens
Refining and Crude Distillation

## Approvals

**II 2 G Ex e IIC Gb**
**II 2 D Ex tb IIIC Db**

### Industries

- Petrochemical
- Chemical Processing
- Oil & Gas
- Steel Production
- Aluminum Processing
- Power Generation
- Nuclear
- Mining & Tunneling
- Railway
- Aerospace
- Pulp & Paper
- Textiles
- Lab (R&D)
- Analytical Instrumentation
- Food Processing
- Plastics/Injection Molding
- General Manufacturing

### Types of Users

- Facilities Maintenance
- Process Engineers

**Toll Free:** 800-848-7673 **Phone:** 614-294-3376 **www.BriskHeat.com** **Email:** bhtsales1@briskheat.com **Fax:** 614-294-3807

© BriskHeat Corporation. All Rights Reserved. 17-06