

**Hope College Creates Safer Campus with KSR Snow Melting Systems**

Thermon KSR cables installed under concrete stairs



Installation of snow melting system



**Problem:** Located in Michigan's snow belt on the western side of the state, Hope College in Holland, Michigan was averaging 75 inches of snow annually. Potential issues such as slip and fall injuries, labor associated with shoveling snow, salt and or other chemicals being tracked into the building and salt/chemical run off into local environment were all major concerns for the customer.

**Solution:** A Thermon Snow and Ice Melting System was designed, purchased and installed. Thermon's SnoTrace design guide provides easy step by step system design. The system consists of, Thermon controllers, pavement mounted sensors and self-regulating cable. When the temperature of the concrete drops below 38 degrees F and moisture is present the system turns on. The self-regulating heat output of the

cable varies power in response to the concrete temperature. When the concrete is at or below freezing the cable produces maximum power as the temperature increases power is decreased. This feature provides energy efficiency without the need for sophisticated controls. The flexible Thermon cable allows the installer to easily adapt to steps and curved walkways; creating an ice and snow free surface. The cables are also designed for direct burial in the concrete making installation easy. Thermon Snow Melting Systems increase safety by guarding against potential slip and fall accidents, eliminates snow shoveling, snow melting product costs and keeps entrance and hallways clean. The Thermon snow melting system provided the customer with walkways and stairs that are now forever free of snow and ice even through heavy snows.



Clear of snow and ice dramatically decreasing slip & fall potential

**KSR Heat Trace Cable Product**

**Features:**

- Environmentally friendly, no chemicals
- Flexible design for stairs and walkways
- Extends life of cement
- Self-Regulating