

# DATA SHEET

## SAFESTEP HEATING MAT – 50x120

**Product name:** Safestep Heating Mat 50x120 cm

**Article number:** SVM50120

**Product category:** Electrically heated snow and ice melting system

**Intended use:** Outdoor use – residential and commercial environments

Safestep Heating Mat is designed for efficient snow and ice melting on exposed surfaces where slip risk occurs during winter conditions.

Typical applications include stairs, ramps, walkways, pedestrian bridges, entrances, external constructions, and pipelines.

### Product benefits

- Reduces risk of slip and fall accidents
- Even and efficient heat distribution across the entire surface
- Snow melting capacity of approximately 6 cm per hour
- Operates reliably in temperatures down to –35 °C
- Energy-efficient and environmentally friendly solution
- Eliminates the need for salt, sand, or chemicals
- Simple installation using standard grounded 230 V outlet

### Product benefits

- Heating film technology
- Uniform heating over the full mat area
- Anti-slip surface with deep pattern for water drainage
- Reinforced eyelets in corners for secure anchoring
- Designed for series connection with other Safestep heating mats

### Technical data

Rated voltage	230V
Rated power	240W
Rated current	1,0A
Power output	Approx. 400W / m <sup>2</sup>
Max. mats in series	9 pcs
Size	50x120cm
Thickness	5mm
Pattern depth	2mm
Material	Vulcanized rubber

Cable lenght	35cm
Power cable	Ø9mm x 2m
Certifications	CE
IP class	67
Warranty period	2 years

### Maintenance

Do not leave the mats outside all year. When the winter season is over, clean the mats with water, dry them off, and store them in a dry place until the next season. Keep away from direct sunlight.

During storage, cover the sockets/connectors with the plastic covers. This is to protect the mats against possible dirt or moisture that could affect the mats' lifespan.

### Safety information

- Must be connected to a grounded 230 V power supply
- The product is rated IP67, meaning it is fully protected against dust ingress and can withstand temporary immersion in water up to 1 meter depth for a maximum duration of 30 minutes.
- Installation must comply with local electrical regulations
- Do not cover the mats during use.
- Do not walk on the mats wearing spike shoes.
- Place the mats at a safe distance from running cars or other vehicles.
- Do not stick nails or screws through the mats. Only use the pre-made holes to fasten the mats to the ground.
- Do not bend the mats. This might damage the heating system.
- Do not cut, trim, or modify the mats in any way.
- Do not place the mats on any sharp objects.
- During use, do not stack the mats on top of each other.
- The mats are not intended for inside use.
- Do not carry the mats by the cables alone.
- The mats must be protected by earth-fault circuit breakers. If you lack one, you must buy an external earth-fault circuit breaker before installing the mats.
- Disconnect the mats from the power outlet when not in use.
- Do not in any way alter or modify the plugs connected to the mats.
- Never connect mats to the power outlet when stacked on top of each other.