



Rear view mirror heater



Water bed heater



Floor heating

## 2.01.00 Foil elements/Flexible elements

Flexible elements, or foil elements, offer many advantages. The material is flexible and allows multiple circuits or multiple voltages in the same element or the possibility to locate a sensor. The elements are suitable for different applications in a wide range of business such as communication, vehicles, monitoring, medicine, individual comfort heat, domestic heating etc. We can produce elements within a high range of technical specifications, for example power from 0 to 10 Watt/cm<sup>2</sup> and insulation material from -270°C to +400°C.

### >> Types of heating

Air heating  
Liquid heating  
Defrosting

### >> Material

Silicone  
Polyimide  
Polyester  
PEN – Polyethylene naphthalate  
PET – Polyethylene terephthalate  
Mica  
Aluminium

### >> Dimension

Maximum width app. 600 mm  
For aluminium app. 800 mm  
Unspliced print can be produced up to 2 meters

### >> Fields of applications

Water bed heater  
Floor heating  
Rear view mirror heaters  
Food heating applications  
Diesel filter heaters  
Heating operating mattresses for medical use  
Keyboard heaters  
div. industrial applications

### >> Assembly

Adhesive  
Clamping  
Vulcanized on plate

### >> Connection

Cable or tab terminals



Example of product design