

# SEFAR PowerHeat

The SEFAR PowerHeat fabric consists of polymers, copper strands and electrically conductive yarns and is ideally suited for applications in the automotive industry, healthcare and home textiles due to its integration versatility.

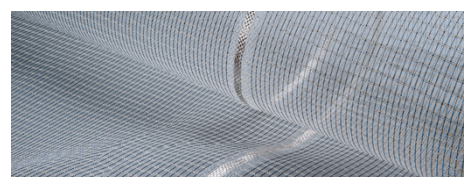
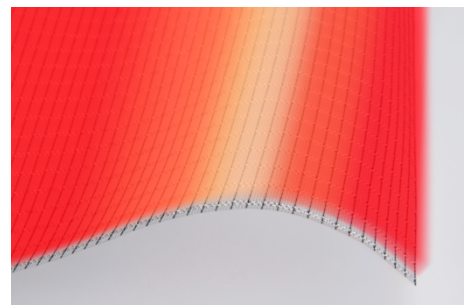
## Product features

### SEFAR PowerHeat – Heating fabric

The PowerHeat heating fabric is flexible, efficient and can be integrated into most production processes.

PowerHeat brings you versatile benefits:

- Highest energy efficiency
- Light and thin
- 3D mouldable
- Safe - no hotspots
- Robust
- Process integration: injection, foaming, laminating, gluing in
- Free shaping and any cutting to size
- Various voltage and power ranges (up to 50V AC / 120V DC and up to 2000W/m<sup>2</sup>)
- Very fast heating time
- First class value appeal
- Translucent
- Isolated as required
- High air permeability
- Partly self-regulating thanks to PTC characteristic



## DOWNLOADS

Broschüre: SEFAR PowerHeat NT (PDF 4826 kb)

Flyer: SEFAR PowerHeat NT for Automotive Interior (PDF 231 kb)

## Sefar AG

Hinterbissastrasse 12  
9410 Heiden  
Switzerland

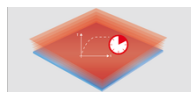
Phone +41 71 898 5700  
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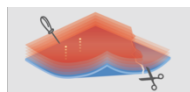
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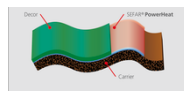
Free cut to size



Quick heating up

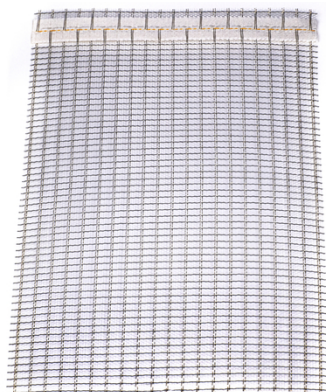


Continue to function,  
even if damaged

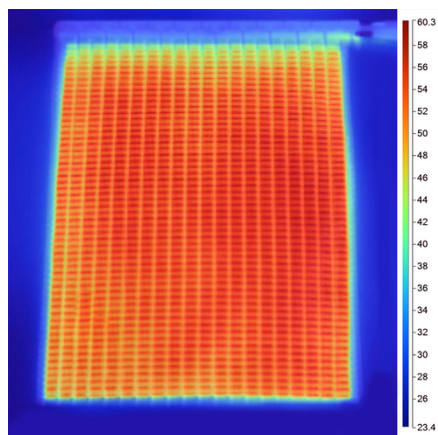


Easy integration  
through flexible fabric

## SEFAR PowerHeat Fabric



Normal view



Infrared view

## Area performance compared to operating voltage of selected SEFAR PowerHeat fabrics

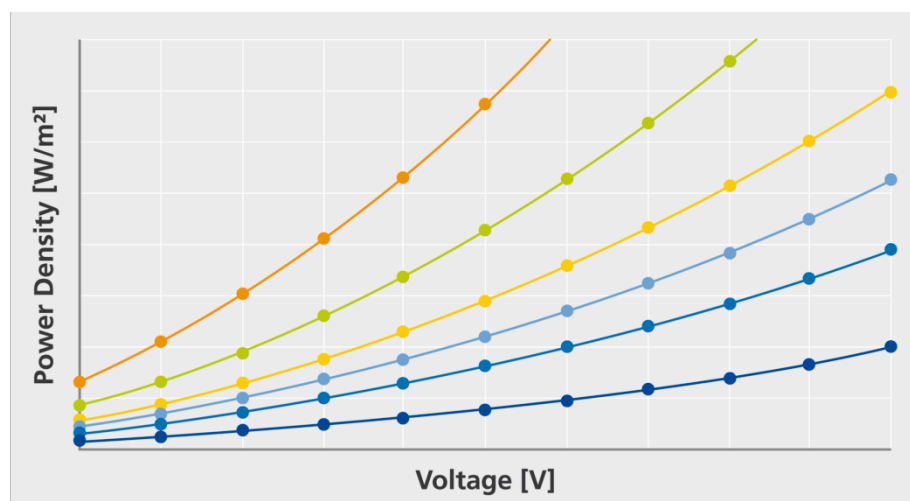
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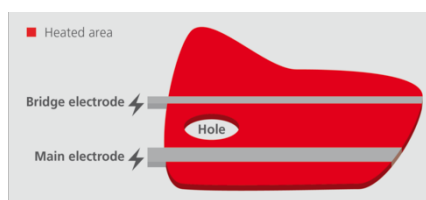
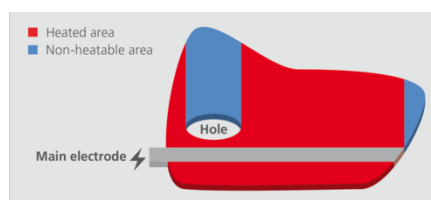
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Power density vs. Power supply

We offer various area power ratings from 10 to over 1000W/m<sup>2</sup> at operating voltages up to 50V AC / 120 V DC.

### Free shaping, back pulls can be heated with bridge electrode



### Presentation of a cut of the SEFAR PowerHeat fabric

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## Applications

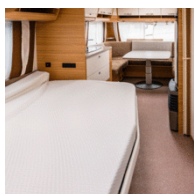
- Automotive interior
- Battery and fuel cell heating
- Personal well-being: pillows, blankets
- Hand tools
- De-icing
- Medicine
- Food and drink tempering
- Underfloor heating in mobile homes and caravans



Automotive Interior Heating



Warming armrest



Underfloor heating in the caravan/ mobile home



Heater chainsaw

## The PowerHeat heating fabric from Sefar at a glance:

- Fast heat-up time, powerful
- Extremely homogeneous heat distribution

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- Very good process integration
- 3D mouldable, any shape
- Secure

We offer various area power ratings from 10 to over 1000W/m<sup>2</sup> at operating voltages up to 50V AC / 120 V DC.

## Locations



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