



**TEPLOLUXE**<sup>®</sup>  
Comfortable living



For uniqueness,  
value for money  
and consumer trust



# Underfloor Heating

## PRODUCT CATALOGUE

[www.teploluxe.ru](http://www.teploluxe.ru)



SST Warm Floors LLD (plant of SST group) is a leading international manufacturer and distributor of home comfort and safety systems, industrial electric heating systems, electronic and regulating equipment. Our partners gain a competitive edge with high-quality services, innovative products and fully-fledged business development support.

## Our values

Consumers, employees and society lie at the heart of the values of SST group:

- We build lasting relationships with consumers, providing high-quality service at every stage of the product life-cycle.
- We value the intellectual and creative potential of our team, who bring all our innovative solutions and projects to life.
- We strive to enhance people's lives and protect the environment by producing easy-to-use, safe, power-efficient and eco-friendly products.

## World expert in electric cable heating since 1991

SST Warm Floors is based in Moscow Region and is one of Europe's largest heating systems manufacturers. During the 27 years since it was established, SST has produced about 1.5 million kilometres of heating cables, 13.5 million underfloor heating systems and more than 5.5 million units of temperature control equipment.

SST has sales offices and service centres in all regions of Russia and neighbouring countries. Our warm floors heating systems are exported to 47 countries, including Germany, France, China, UAE and Brazil. SST Warm Floors quality management system has been certified according to ISO 9001:2015 and GOST R ISO 9001-2015 standards. Our products conform to the highest international standards as approved by the world's largest certification centres.

**WORLD'S LEADING  
MANUFACTURER  
OF ELECTRIC CABLE  
HEATING SYSTEMS**



**47 COUNTRIES**  
SST Group's products and solutions meet international quality standards and safety requirements and are exported to 47 countries.





## Electric underfloor heating

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# Teploluxe®

Made in Russia —  
delivered worldwide!





## Teploluxe — a trusted brand

Teploluxe represents comfort and reliability for millions of consumers worldwide. In 2010 Teploluxe was acknowledged as the most recognised underfloor heating brand in Russia. Teploluxe underfloor heating is one of the most reliable and durable heating systems and has a 50-year manufacturer's warranty. Teploluxe Profi is a unique underfloor heating solution with a lifetime warranty.

## Teploluxe is a unique line of home comfort equipment

Today, SST Warm Floors LTD (part of SST group) provides the widest range of underfloor heating systems under the Teploluxe brand: double-core heating cables and double-core heating mats. The product range of Teploluxe thermostats is unique in Russia covering all solutions ranging from mechanical thermostats to smart programmable devices controllable from your mobile device.

Teploluxe Express, Teploluxe Carpet and Teploluxe Mirror are becoming more and more popular among consumers. Home comfort systems are harmoniously complemented by stylish Teploluxe towel rails.

## Teploluxe is a foundation for business success

Representing Teploluxe equipment is both prestigious and profitable. By continuously monitoring customer needs, we produce relevant, trusted goods that are in high demand. A widely recognised brand, technical, marketing and sales support, regular national advertising campaigns and a wide network of service centres are the key building blocks to successful business development for partners and dealers of SST underfloor heating solutions.





# Underfloor heating

Teploluxe is an advanced and eco-friendly solution for maintaining a set temperature in your home and office. Underfloor heating system creates a warm and cosy atmosphere in your apartment, cottage or summer residence.

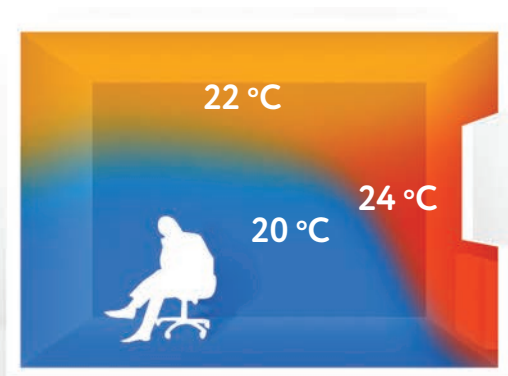
Using a thermostat makes underfloor heating a cost-effective solution.



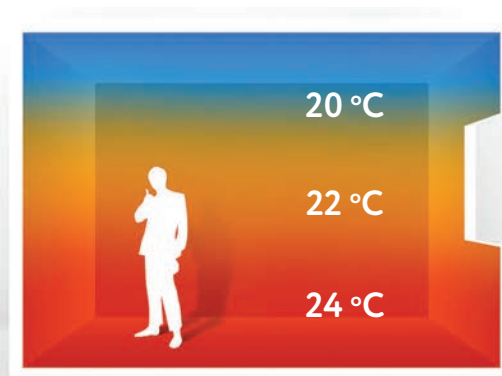
For uniqueness,  
value for money  
and consumer trust

## Premium comfort

Underfloor heating is a great way to create a comfortable temperature in your room. It can be used as the main or all additional heating source.



Conventional central heating



Underfloor heating system

## Green heat

Underfloor heating has a positive impact on your family's health. Your children will happily play on the warm surface of your floor and stay safe.

## Immaculate design

Unlike conventional heat sources, underfloor heating systems are totally hidden from the view. You get more options for interior design and more space.

## Simple installation

Underfloor heating systems can be easily installed, even on an existing floor base. These systems are compatible with all types of decorative floor coatings.

## Cost effectiveness and durability

Thermostats with programmable heating functions can reduce electricity consumption by 70%. Underfloor heating is one of the most reliable heating systems with a lifetime of more than 50 years.

## Full Product Range for Any Application

### Main heating

Heating mat  
Teploluxe Profi

Heating cable  
Teploluxe Tropix

Heating cable  
Teploluxe Profi

### Additional heating

Heating mat  
Teploluxe Tropix

Heating mat  
Teploluxe Profi

Heating cable  
Teploluxe Tropix

Heating cable  
Teploluxe Profi

Heating mat  
Teploluxe Alumia

# Teploluxe Tropix

## Heating mats

Thin underfloor heating system  
No underlayment required



Top-selling, high-quality, tested by millions of families!

Double-core Teploluxe Tropix heating mats are designed for comfortable floor heating in rooms of any type. The mat is easily placed into a thin (5-8 mm) layer of tile adhesive and can be used for any floor coating, such as tiles, porcelain stoneware, laminate, or linoleum. The mat can be installed on a new floor base or an existing floor when the room is remodelled, especially you do not want to raise the floor's surface.



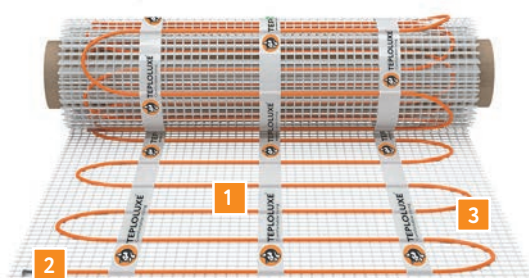
## Advantages

- 50-year warranty
- Floor level is not raised
- Easy to install – the cable has already been laid and locked to the grid
- No screed required

## Cable specifications

|                                  |            |
|----------------------------------|------------|
| Supply voltage                   | ~220 V     |
| Maximum operating temperature    | +90 °C     |
| Minimum operating temperature    | -10 °C     |
| Minimum storage temperature      | -20 °C     |
| Minimum installation temperature | -10 °C     |
| Installation wire length         | 2 m        |
| Cable diameter                   | 3,5–5,0 mm |

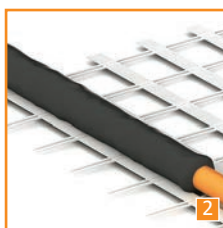
## Design



1. Multiwire cores do not break or degrade in the cable sleeve.
2. Laysan-coated aluminium tape screen is an important electromagnetic safety feature of underfloor heating.
- 3, 4. Insulation and cover provide extra-endurance.



Cable thickness is less than 5 mm, which means that a minimum thickness of tile adhesive is sufficient.



A small-scale pressurised ferrule is an innovative solution that provides the highest reliability level.



Cable is securely locked to synthetic fibreglass mesh, which does not get distorted while spreading.



## Specifications of Teploluxe Tropix mats

| Mat type              | Area, m <sup>2</sup> | Power, W | Dimensions, m |
|-----------------------|----------------------|----------|---------------|
| MHH 80 W/0,5 sq.m.    | 0,5                  | 80       | 0,5 × 1,0     |
| MHH 160 W/1,0 sq.m.   | 1,0                  | 160      | 0,5 × 2,0     |
| MHH 240 W/1,5 sq.m.   | 1,5                  | 240      | 0,5 × 3,0     |
| MHH 320 W/2,0 sq.m.   | 2,0                  | 320      | 0,5 × 4,0     |
| MHH 400 W/2,5 sq.m.   | 2,5                  | 400      | 0,5 × 5,0     |
| MHH 480 W/3,0 sq.m.   | 3,0                  | 480      | 0,5 × 6,0     |
| MHH 560 W/3,5 sq.m.   | 3,5                  | 560      | 0,5 × 7,0     |
| MHH 640 W/4,0 sq.m.   | 4,0                  | 640      | 0,5 × 8,0     |
| MHH 720 W/4,5 sq.m.   | 4,5                  | 720      | 0,5 × 9,0     |
| MHH 800 W/5,0 sq.m.   | 5,0                  | 800      | 0,5 × 10,0    |
| MHH 960 W/6,0 sq.m.   | 6,0                  | 960      | 0,5 × 12,0    |
| MHH 1120 W/7,0 sq.m.  | 7,0                  | 1120     | 0,5 × 14,0    |
| MHH 1280 Bт/8,0 sq.m. | 8,0                  | 1280     | 0,5 × 16,0    |
| MHH 1600 W/10,0 sq.m. | 10,0                 | 1600     | 0,5 × 20,0    |
| MHH 1920 W/12,0 sq.m. | 12,0                 | 1920     | 0,5 × 24,0    |
| MHH 2240 W/14,0 sq.m. | 14,0                 | 2240     | 0,5 × 28,0    |

## Components supplied

- Double-core Teploluxe Tropix heating mat
- Sensor corrugated tube with a plug
- Manual
- Datasheet

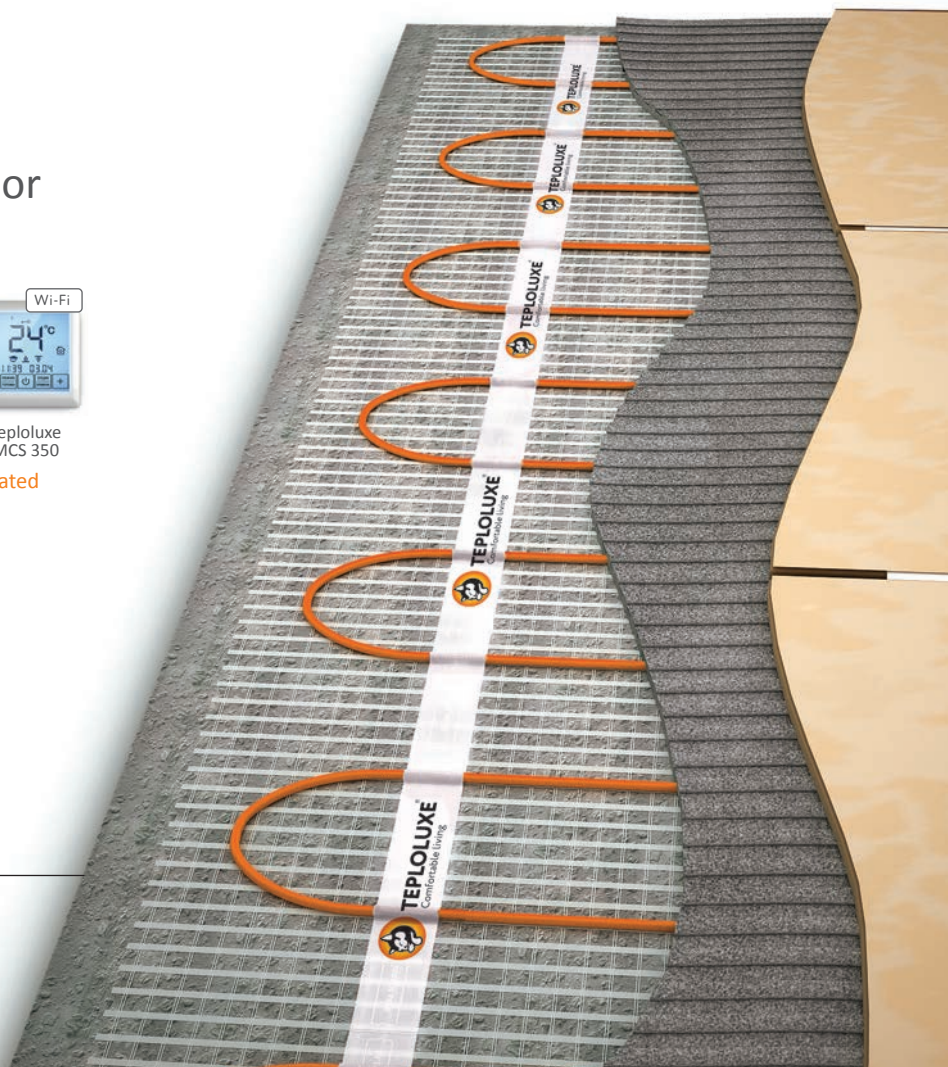
## Recommended for underfloor heating management



Mechanical, programmable, touch- or smartphoneoperated thermostats

See details on page 18

## Approvals



# Teploluxe Tropix

## Heating cables

Underfloor heating  
with underlayment



Top-selling, high-quality, tested  
by millions of families!

Double-core Teploluxe heating cables are used as the main heating system or as an additional warm floor heating system. These systems are ideally suited for underlayment installation and any decorative floor coatings, such as tiles, porcelain stoneware, laminate, linoleum, or carpeting.



## Advantages

- 50-year warranty
- Extremely-reliable – strengthened outer layer and increased cable conductor area
- Suitable for any type of room
- Can be used as the only heat source in your premises

## Cable specifications

|                                  |              |
|----------------------------------|--------------|
| Supply voltage                   | ~220 V       |
| Maximum operating temperature    | +70 °C       |
| Minimum operating temperature    | -10 °C       |
| Minimum storage temperature      | -20 °C       |
| Minimum installation temperature | -10 °C       |
| Minimum bend radius              | 30 mm        |
| Installation wire length         | 2 m          |
| Cable diameter                   | 4,70–7,00 mm |

## Design



1. Multiwire cores are protected from breaking and contact degradation in the cable sleeve.
2. Aluminium-lavsan tape screen is an important electromagnetic safety feature of underfloor heating.
- 3,4. Insulation and cover provide long-life performance.



The reliable pressurised ferrule is manufactured in an automated production line using the pressurised potting method.



The strengthened double overjacket and increased conductor area provide fail-safe operation with a large safety margin.



## Specifications of Teploluxe Tropix cables

| Cable type          | Power, W | Cable length, m | Mounting tape length, m |
|---------------------|----------|-----------------|-------------------------|
| TLBE 5,0 m/100 W    | 100      | 5,0             | 2                       |
| TLBE 13,0 m/190 W   | 190      | 13,0            | 4                       |
| TLBE 18,0 m/270 W   | 270      | 18,0            | 6                       |
| TLBE 21,0 m/340 W   | 340      | 21,0            | 6                       |
| TLBE 23,0 m/420 W   | 420      | 23,0            | 6                       |
| TLBE 26,0 m/520 W   | 520      | 26,0            | 8                       |
| TLBE 32,0 m/630 W   | 630      | 32,0            | 8                       |
| TLBE 40,5 m/800 W   | 800      | 40,5            | 10                      |
| TLBE 50,0 m/900 W   | 900      | 50,0            | 12                      |
| TLBE 56,5 m/1200 W  | 1200     | 56,5            | 15                      |
| TLBE 78,0 m/1400 W  | 1400     | 78,0            | 18                      |
| TLBE 100,0 m/2000 W | 2000     | 100,0           | 25                      |
| TLBE 118,0 m/2500 W | 2500     | 118,0           | 30                      |
| TLBE 156,5 m/3500 W | 3500     | 156,5           | 45                      |

## Components supplied

- Double-core Teploluxe Tropix heating cable
- Sensor corrugated tube with a plug
- Mounting tape
- Manual
- Datasheet

## Recommended for underfloor heating management



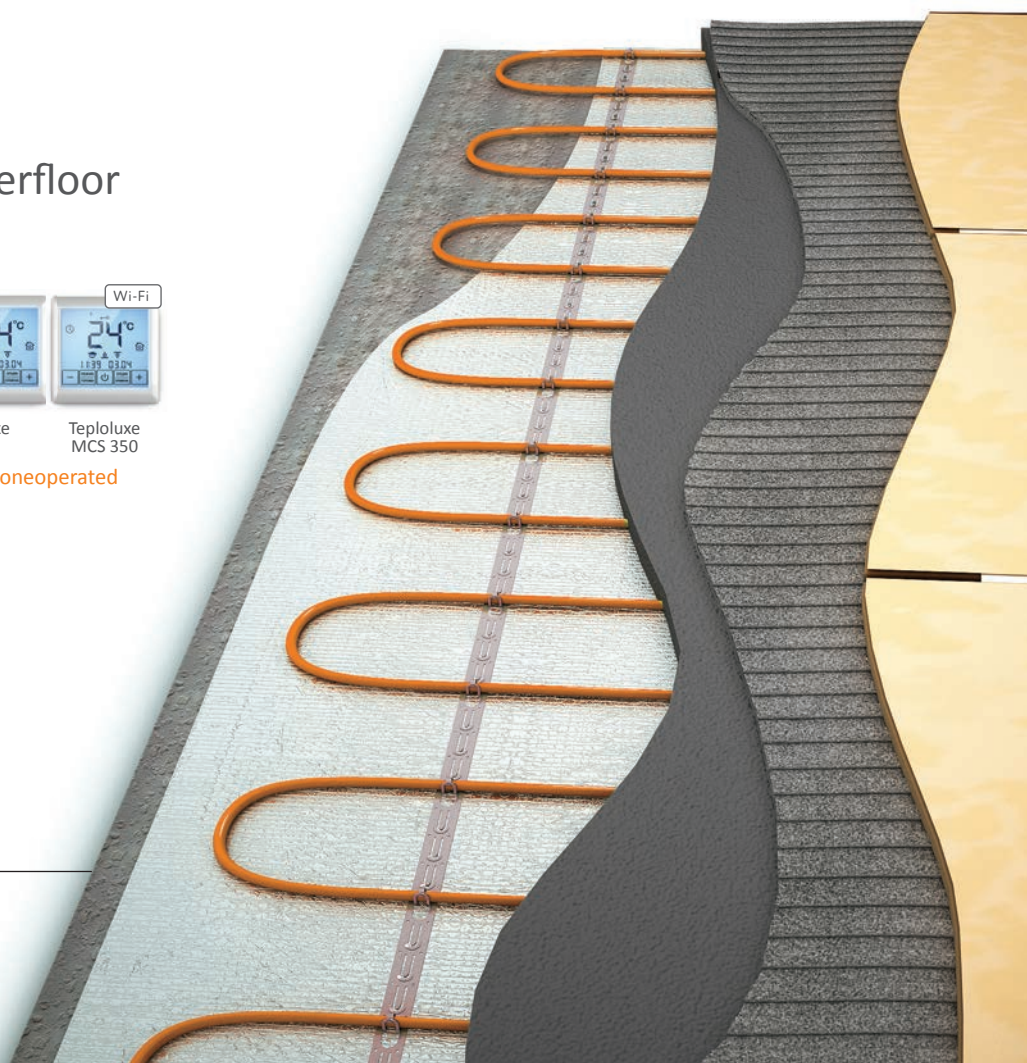
Mechanical, programmable, touch- or smartphoneoperated thermostats

See details on page 18

## Approvals



Compliance  
certification



# Teploluxe Profi

## Heating mats

Ultra reliable  
underfloor heating



For those who always choose the best!

Double-core Profi heating mats are suitable for both primary or comfort room heating. Teploluxe Profi mats are easily placed into a thin (5–8 mm) layer of adhesive. The system can be used with any floor coatings, such as tiles, porcelain stoneware, laminate, or linoleum. This solution is suitable for rooms of any kind – mats can be installed onto a new floor base or an existing floor when the room is remodelled, especially if you do not want to raise the floor level.



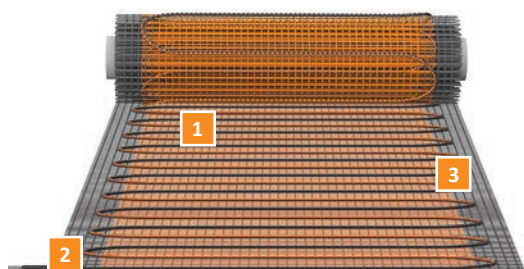
## Advantages

- **Lifetime warranty**
- Floor level is not raised
- New technology for locking the cable to the grid provides quick and easy installation
- Increased 180 W/m<sup>2</sup> power – quickest surface heating possible. Ideal for cold rooms

## Cable specifications

|                                  |            |
|----------------------------------|------------|
| Supply voltage                   | ~220 V     |
| Maximum operating temperature    | +90 °C     |
| Minimum operating temperature    | -10 °C     |
| Minimum storage temperature      | -20 °C     |
| Minimum installation temperature | -10 °C     |
| Installation wire length         | 2 m        |
| Cable diameter                   | 3,4–4,4 mm |

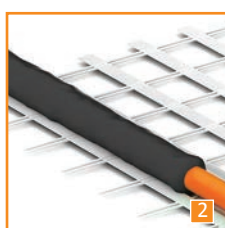
## Design



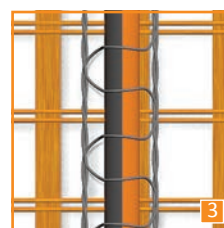
1. Multiwire cores are protected from breaking and contact degradation in the cable sleeve.
2. Aluminium-lavsan tape screen is an important safety feature that almost completely terminates electromagnetic radiation.
3. The insulation and cable cover are made of cutting-edge imported materials with advanced capabilities and extended lifetime.



Cable thickness is about 4 mm, which means that a minimum thickness of tile adhesive is sufficient.



A small-scale pressurised ferrule is an innovative solution that provides the highest reliability level.



Unique sewing cable fixing technology DST guarantees that the cable is fixed during installation as well as maximum heat transmission.



# Specifications of Teploluxe Profi mats

| Mat type                   | Area, m <sup>2</sup> | Power, W | Dimensions, m |
|----------------------------|----------------------|----------|---------------|
| ProfiMat 180 W/1,0 sq.m.   | 1,0                  | 180      | 0,5 × 2,0     |
| ProfiMat 270 W/1,5 sq.m.   | 1,5                  | 270      | 0,5 × 3,0     |
| ProfiMat 360 W/2,0 sq.m.   | 2,0                  | 360      | 0,5 × 4,0     |
| ProfiMat 450 W/2,5 sq.m.   | 2,5                  | 450      | 0,5 × 5,0     |
| ProfiMat 540 W/3,0 sq.m.   | 3,0                  | 540      | 0,5 × 6,0     |
| ProfiMat 630 W/3,5 sq.m.   | 3,5                  | 630      | 0,5 × 7,0     |
| ProfiMat 720 W/4,0 sq.m.   | 4,0                  | 720      | 0,5 × 8,0     |
| ProfiMat 900 W/5,0 sq.m.   | 5,0                  | 900      | 0,5 × 10,0    |
| ProfiMat 1080 W/6,0 sq.m.  | 6,0                  | 1 080    | 0,5 × 12,0    |
| ProfiMat 1260 W/7,0 sq.m.  | 7,0                  | 1 260    | 0,5 × 14,0    |
| ProfiMat 1440 W/8,0 sq.m.  | 8,0                  | 1 440    | 0,5 × 16,0    |
| ProfiMat 1620 W/9,0 sq.m.  | 9,0                  | 1 620    | 0,5 × 18,0    |
| ProfiMat 1800 W/10,0 sq.m. | 10,0                 | 1 800    | 0,5 × 20,0    |
| ProfiMat 2160 W/12,0 sq.m. | 12,0                 | 2 160    | 0,5 × 24,0    |
| ProfiMat 2700 W/15,0 sq.m. | 15,0                 | 2 700    | 0,5 × 30,0    |

## Components supplied

- Double-core Teploluxe Profi heating mat
- Sensor corrugated tube with a plug
- Manual
- Datasheet

## Recommended for underfloor heating management



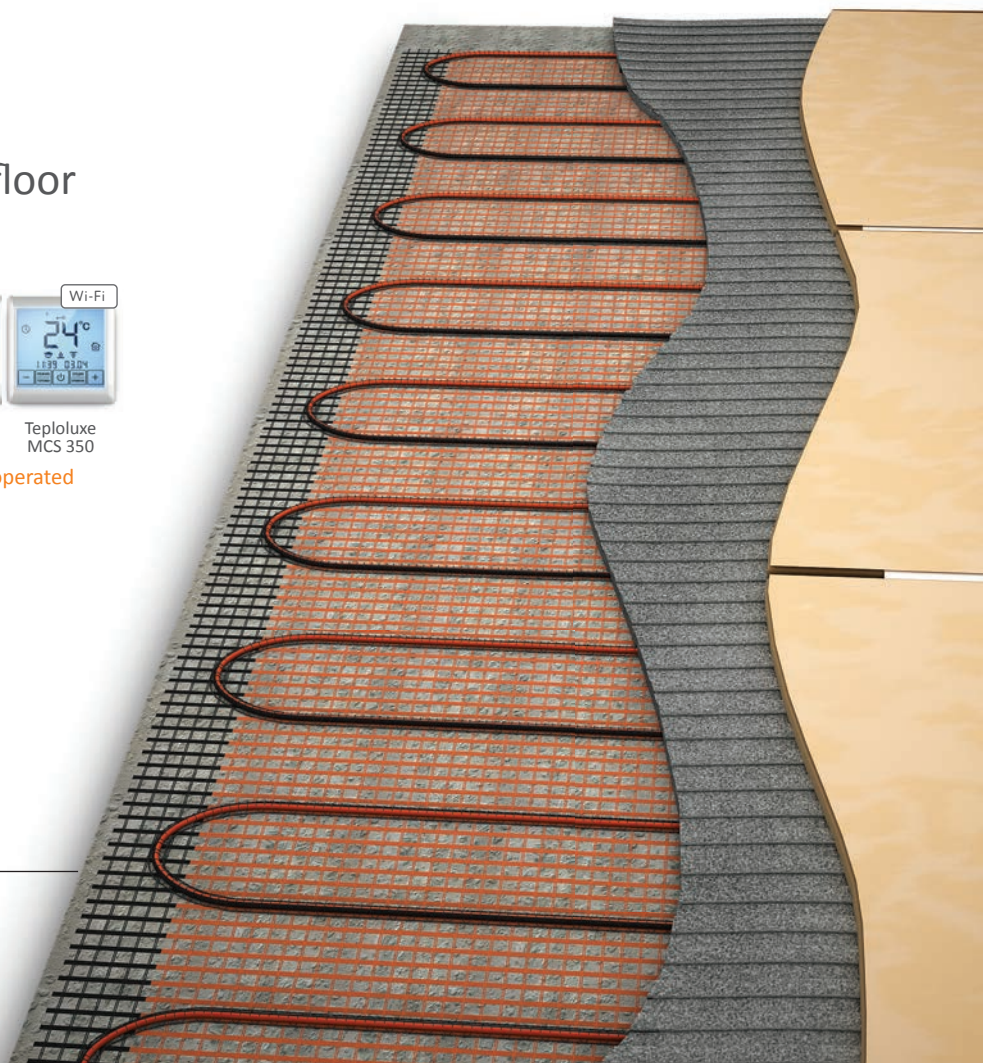
Mechanical, programmable, touch- or smartphoneoperated thermostats

See details on page 18

## Approvals



Compliance certification



# Teploluxe Profi

## Heating cables

Underfloor heating  
with underlayment



For those who always choose  
the best!

Double-core Teploluxe Profi heating cables can be used as the main heating source in your room additional heating system. These underfloor heating systems are ideally suited for underlayment installation and can be used with any decorative coating of your choice, such as tiles, marble, laminate, linoleum, or carpeting in an apartment, summer residence, industrial or office premises.



## Advantages

- **Lifetime warranty**
- Extremely reliable – strengthened overjacket and increased cable conductor area
- Ideally suited for cold rooms (balconies or other unheated premises)
- Can be used as a single heat source
- Innovative coupling construction provides increased reliability

## Cable specifications

|                                  |              |
|----------------------------------|--------------|
| Supply voltage                   | ~220 V       |
| Maximum operating temperature    | +90 °C       |
| Minimum operating temperature    | -10 °C       |
| Minimum storage temperature      | -20 °C       |
| Minimum installation temperature | -10 °C       |
| Minimum bend radius              | 30 mm        |
| Installation wire length         | 2 m          |
| Cable diameter                   | 5,3 – 6,5 mm |

## Design



1. Multiwire cores have no danger of breaking or contact degradation in the cable sleeve.
2. Aluminium-lavsan tape screen is an important electromagnetic safety feature of underfloor heating.
- 3, 4. The insulation and cable cover are made of cuttingedge imported materials with advanced capabilities and extended lifetime



New design of maximum protected and reliable coupling with ribbing provides enhanced heat dissipation, total hermeticity and heating cable protection.



Heating cable insulation is made of chemically sewn polyethylene, which improves the mechanical and electrical capabilities of the heater and ensures the cable's durability.



The unique doublecolored overjacket construction and increased conductor area provide failproof operation.



## Specifications of Teploluxe Profi cables

| Cable type               | Power, W | Cable length, m | Mounting tape length, m |
|--------------------------|----------|-----------------|-------------------------|
| ProfiRoll 9,5 m/180 W    | 180      | 9,5             | 3                       |
| ProfiRoll 12,5 m/225 W   | 225      | 12,5            | 4                       |
| ProfiRoll 15,5 m/270 W   | 270      | 15,5            | 5                       |
| ProfiRoll 20,5 m/360 W   | 360      | 20,5            | 6                       |
| ProfiRoll 25,0 m/450 W   | 450      | 25,0            | 6                       |
| ProfiRoll 31,5 m/540 W   | 540      | 31,5            | 8                       |
| ProfiRoll 42,0 m/675 W   | 675      | 42,0            | 8                       |
| ProfiRoll 49,0 m/810 W   | 810      | 49,0            | 10                      |
| ProfiRoll 54,0 m/900 W   | 900      | 54,0            | 10                      |
| ProfiRoll 62,5 m/1080 W  | 1080     | 62,5            | 12                      |
| ProfiRoll 71,5 m/1260 W  | 1260     | 71,5            | 15                      |
| ProfiRoll 79,0 m/1440 W  | 1440     | 79,0            | 15                      |
| ProfiRoll 87,0 m/1575 W  | 1575     | 87,0            | 20                      |
| ProfiRoll 101,5 m/1800 W | 1800     | 101,5           | 20                      |
| ProfiRoll 116,5 m/2025 W | 2025     | 116,5           | 25                      |
| ProfiRoll 129,0 m/2250 W | 2250     | 129,0           | 25                      |
| ProfiRoll 153,0 m/2700 W | 2700     | 153,0           | 30                      |

## Components supplied

- Double-core Teploluxe Profi heating cable
- Sensor corrugated tube with a plug
- Mounting tape
- Manual
- Datasheet

## Recommended for underfloor heating management



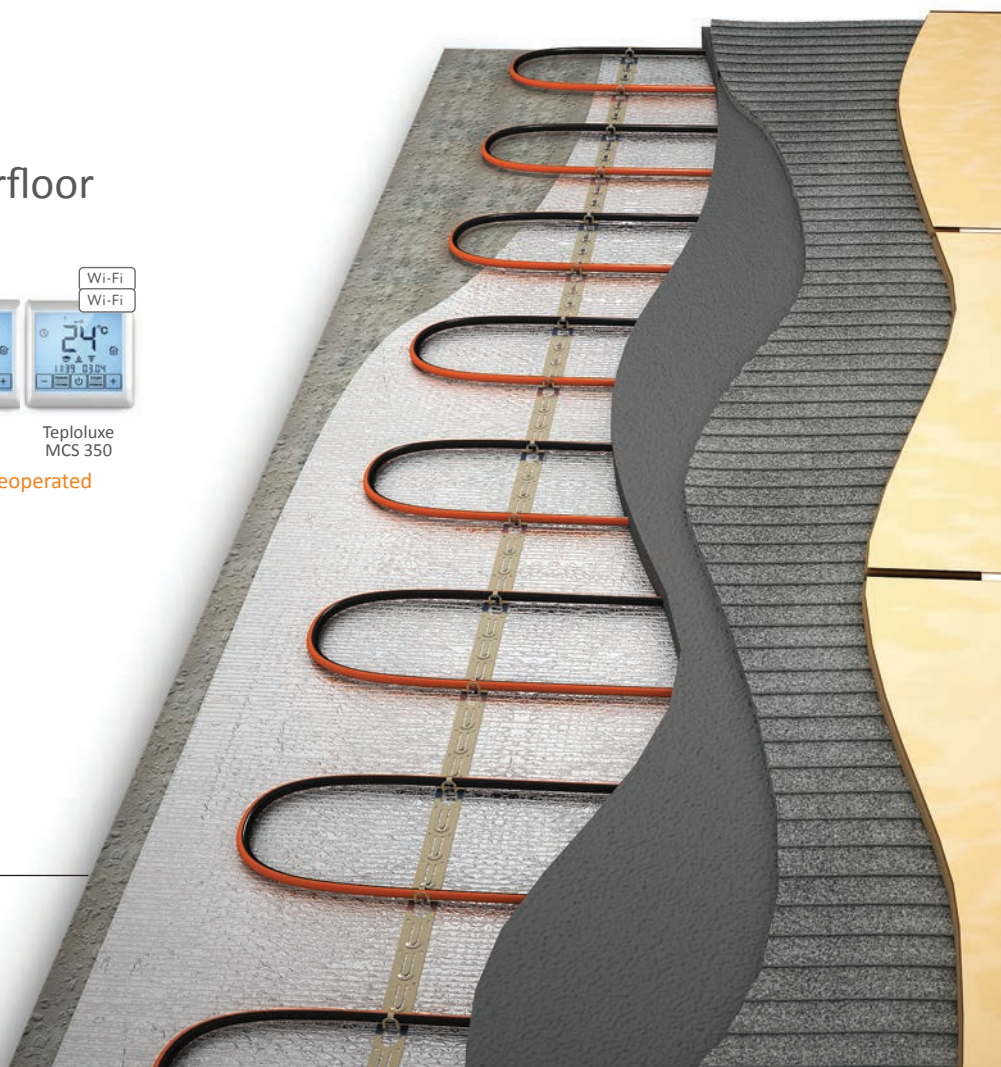
Mechanical, programmable, touch- or smartphoneoperated thermostats

See details on page 18

## Approvals



Compliance  
certification



# Teploluxe Alumia

## Heating mats

Unique technology



### Easy installation in 10 minutes!

Teploluxe Alumia is a thin underfloor heating system based on an ultra compact heating cable laid between aluminium foil layers. It can be used for comfortable floor heating without the need for major reconstruction works, installed directly under your floor coating and provides comfortable warmth in rooms of any type.



### Advantages

- Only 1.5 mm thick
- Does not alter the floor level
- Quick installation without underlayment and adhesive in 10 minutes
- Safe solution for children's rooms
- Superstrong aluminium-lavsan base
- No electric field
- Water-protected
- 25-year warranty

### Cable specifications

|                                  |                      |
|----------------------------------|----------------------|
| Supply voltage                   | ~220 V               |
| Maximum operating temperature    | +90 °C               |
| Minimum storage temperature      | -20 °C               |
| Minimum installation temperature | -10 °C               |
| Power                            | 150 W/m <sup>2</sup> |
| Cable diameter                   | 1,08–1,52 mm         |

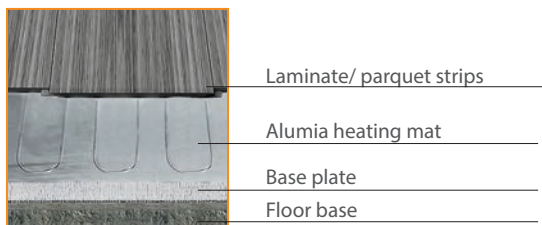
### Design



1. Multiwire heating cores
2. Insulating thermoplastic elastomer

### Installation

#### Under laminate / parquet



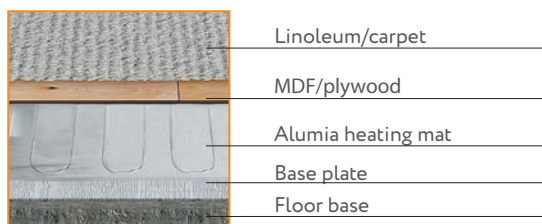
Laminate/ parquet strips

Alumia heating mat

Base plate

Floor base

#### Under linoleum / carpet



Linoleum/carpet

MDF/plywood

Alumia heating mat

Base plate

Floor base



1. Insulated heating cable between two aluminium foil layers glued together
2. Coupler with groundwire
3. Installation wire



## Specifications of Teploluxe Alumia mats

| Mat type         | Area, m <sup>2</sup> | Power, W | Dimensions, m |
|------------------|----------------------|----------|---------------|
| Alumia 75-0,5    | 0,5                  | 75       | 0,5 × 1,0     |
| Alumia 150-1,0   | 1,0                  | 150      | 0,5 × 2,0     |
| Alumia 225-1,5   | 1,5                  | 225      | 0,5 × 3,0     |
| Alumia 300-2,0   | 2,0                  | 300      | 0,5 × 4,0     |
| Alumia 375-2,5   | 2,5                  | 375      | 0,5 × 5,0     |
| Alumia 450-3,0   | 3,0                  | 450      | 0,5 × 6,0     |
| Alumia 525-3,5   | 3,5                  | 525      | 0,5 × 7,0     |
| Alumia 600-4,0   | 4,0                  | 600      | 0,5 × 8,0     |
| Alumia 675-4,5   | 4,5                  | 675      | 0,5 × 9,0     |
| Alumia 750-5,0   | 5,0                  | 750      | 0,5 × 10,0    |
| Alumia 900-6,0   | 6,0                  | 900      | 0,5 × 12,0    |
| Alumia 1050-7,0  | 7,0                  | 1050     | 0,5 × 14,0    |
| Alumia 1200-8,0  | 8,0                  | 1200     | 0,5 × 16,0    |
| Alumia 1350-9,0  | 9,0                  | 1350     | 0,5 × 18,0    |
| Alumia 1500-10,0 | 10,0                 | 1500     | 0,5 × 20,0    |
| Alumia 1800-12,0 | 12,0                 | 1800     | 0,5 × 24,0    |

## Components supplied

- Teploluxe Alumia foil-based heating mat
- Aluminium tape
- Installation tube with a plug
- User manual combined with datasheet

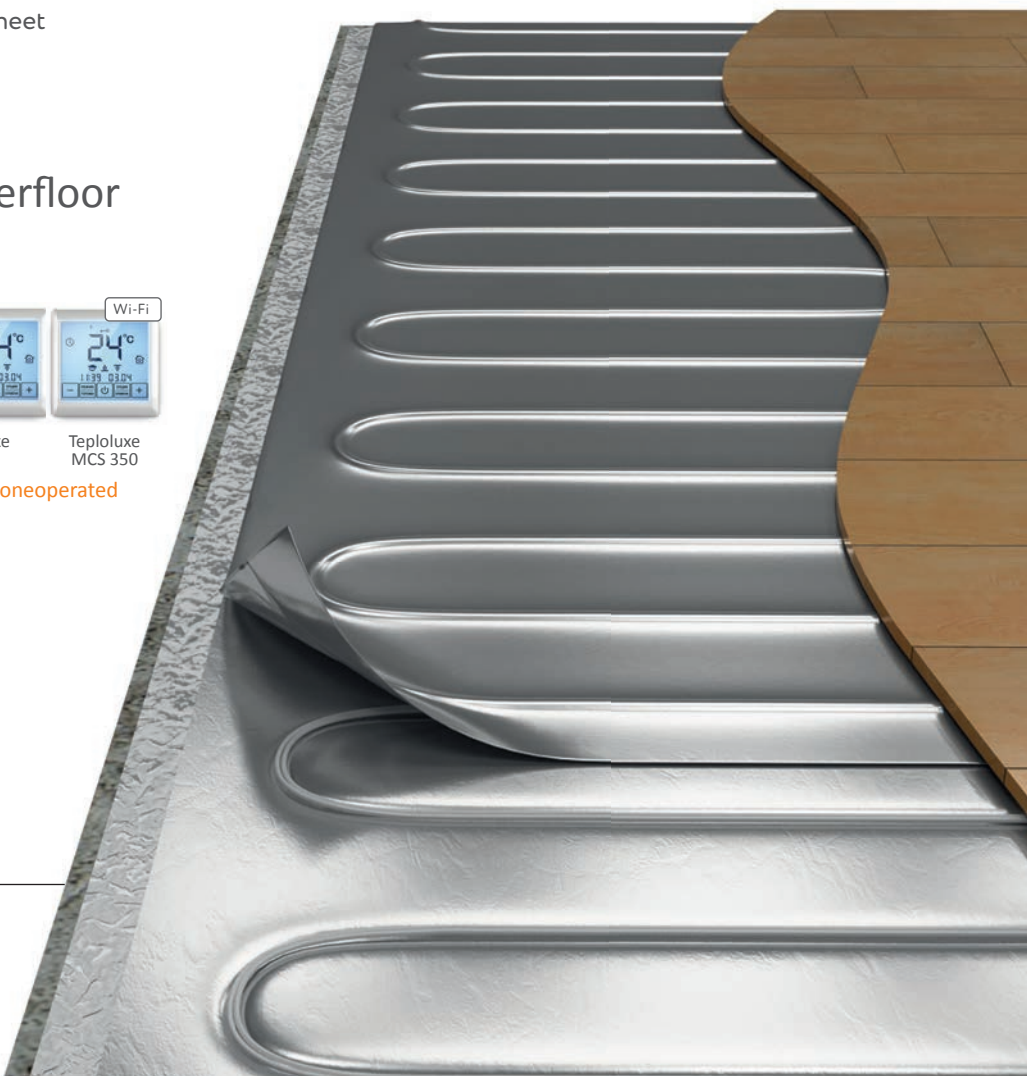
## Recommended for underfloor heating management



Mechanical, programmable, touch- or smartphoneoperated thermostats

See details on page 18

## Approvals



# Thermostats





## Teploluxe thermostats –

A line of innovative devices for managing temperature and the operating time of underfloor heating systems.

Thermostats are designed to automate your underfloor heating system and reduce energy costs. The thermostat only turns on the underfloor heating system to maintain a comfortable temperature.



Teploluxe MCS 350

Teploluxe SE 200

Teploluxe 520

Teploluxe 515

Teploluxe 510

## Management classics

Teploluxe mechanical thermostats with simple temperature control are ideally suited for users who do not need to create an operating scenario for underfloor heating.

## Comfort programming

Teploluxe smart thermostats can heat the floor by a specified time or turn off the heating system when it is not needed. They make underfloor heating systems energy-efficient by saving energy.

## Easy and simple

A wide range of thermostats and a detailed, well-illustrated manual make it easy to understand the thermostat's functions and set an appropriate operating scenario for the underfloor heating.

## Quality

With our long-term experience in manufacturing electric products, we provide customers with the most reliable and attractive devices available in Russia.

# Teploluxe

## Thermostats



Teploluxe thermostats have a unique, special and contemporary design which distinguishes them from competitors and allows them to fit into any interior.

### Teploluxe 510. Management classics



- Simple management mechanism
- The switch is integrated into the control disc
- Ideal for scenarios where programming is not required
- Stylish solid body with no additional framework. Teploluxe 510 does not have many parts, so is easy to install

### Teploluxe 515. Master of precision



- Temperature indicator on a large display
- Digital adjustment
- Precise temperature maintenance ( $\pm 1^\circ\text{C}$ )
- Built-in clock
- Two temperature sensors: built-in and remote
- Favourite temperature mode
- Supports 6.8, 10, 12, 15, 33, and 47 k $\Omega$  floor temperature sensors

### Teploluxe 520. Home heat preserver



- Backlit display
- Programming 4 scenarios per day
- Up to 70% power saving
- Two temperature sensors: built-in and remote
- Heats up the floor by the time you come home and turns the heating off when you go out
- Fully shares its your lifestyle with a separate schedule for every day of the week
- Favourite temperature mode
- Supports 6.8, 10, 12, 15, 33, and 47 k $\Omega$  floor temperature sensors



Teploluxe 520

## Installation

The thermostat is mounted into the wall by cutting-in with a mounting box, and is ideally suited for any interior.



**Teploluxe 510**

Simple management mechanism and stylish design



**Teploluxe 515**

Creating temperature scenario using convenient buttons

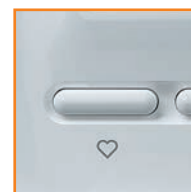


**Teploluxe 520**

Event-driven programme mode and up to 70% energy saving



White or cream case



Favourite temperature mode – quickly configure your comfort



# Specifications

|   | Teploluxe 510 | Teploluxe 515              | Teploluxe 520              |
|---|---------------|----------------------------|----------------------------|
| Thermostat type                         | analogue      | digital                    | digital                    |
| Maintenance                             | +             | +                          | +                          |
| Programming                             | -             | -                          | 4 events/7 days            |
| Power supply voltage                    | 220 V         | 220 V                      | 220 V                      |
| Max load current                        | 16 A          | 16 A                       | 16 A                       |
| Dimensions                              | 86x89x36      | 86x86x42                   | 86x86x42                   |
| Protection level                        | IP21          | IP21                       | IP21                       |
| Protection class                        | II            | II                         | II                         |
| Settings are retained when power is off | -             | 10 years                   | 10 years                   |
| Favourite temperature mode              | +             | +                          | +                          |
| Operating temperature                   | +5...+ 40 °C  | +5...+ 40 °C               | +5...+ 40 °C               |
| Temperature adjustment limits           | +5...+ 45 °C  | +5...+ 45 °C               | +5...+ 45 °C               |
| Acceptable relative air humidity        | 80 %          | 80 %                       | 80 %                       |
| Remote floor temperature sensor         | NTC 6,8 kΩ    | NTC 6,8 kΩ                 | NTC 6,8 kΩ                 |
| Built-in air temperature sensor         | -             | NTC 6,8 kΩ                 | NTC 6,8 kΩ                 |
| Each sensor operates independently      | -             | +                          | +                          |
| The sensors work together               | -             | +                          | +                          |
| Compatible with other sensors           | -             | 6,8; 10; 12; 15; 33; 47 kΩ | 6,8; 10; 12; 15; 33; 47 kΩ |
| Operating mode without floor sensor     | -             | +                          | +                          |
| Self-testing                            | -             | +                          | +                          |
| Anti-freezing mode                      | -             | +                          | +                          |
| Clock                                   | -             | +                          | +                          |
| Clock operation time                    | -             | 4 hours                    | 4 hours                    |
| Warranty                                | 3 years       | 3 years                    | 3 years                    |
| Lifetime                                | 10 years      | 10 years                   | 10 years                   |

## TST02 floor temperature sensor



|                            |                                  |
|----------------------------|----------------------------------|
| Connection wire length     | 2 m                              |
| Measured temperature range | +5 °C ... +45 °C                 |
| Sensor type                | Thermoresistor<br>6,8 kΩ / 25 °C |

## Components supplied

- Thermostat
- Floor temperature sensor
- Manual

## Approvals



# Teploluxe Sensor SE 200

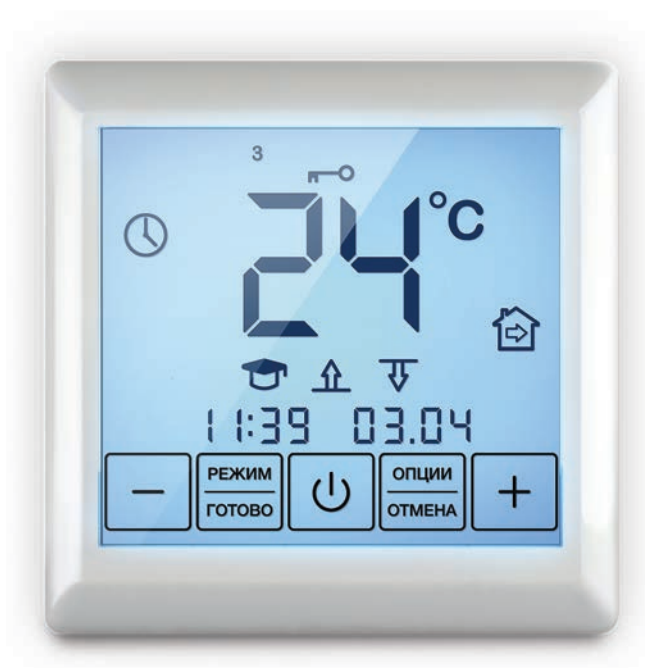
## Touch-screen thermostat

Teploluxe thermostat with a touch screen is a new concept of design and comfort management. The thermostat has a large touch display that allows the customer to manage comfort with a single touch.

Teploluxe SE 200 is designed for managing room heating systems with:

- electric and water\* underfloor heating;
- electric radiators and other electric equipment.

Teploluxe SE 200 thermostat maintains comfortable heated surface temperature for specified time periods and saves up to 60–70% of energy. Teploluxe SE 200 provides management using floor and air temperature sensors simultaneously or independently.



## Advantages

- Programming 24/7 comfortable heating mode
- Large, high-contrast backlit 70x64 mm display
- Two temperature sensors: built-in and remote
- Each sensor can be used independently
- Touch operation
- Remote sensor self-test
- Self-learning mode with shutdown feature
- Automatic touch display blocking

For water underfloor heating management.

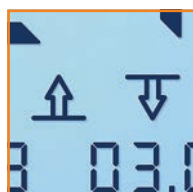
\* — The thermostat can be connected to a normally-closed valve (thermostatic head) controlling hot water supply to water circuits. The valve must be rated to 220 V. The thermostat's load terminals are connected to electromagnetic winding leads.



Touch operation



Large, high-contrast backlit display



Two temperature sensors





## Teploluxe SE 200 thermostat specifications

|   |                 |
|---|-----------------|
| Controller type                         | digital         |
| Maintenance                             | +               |
| Programming                             | 4 events/7 days |
| Power supply voltage                    | 220 V           |
| Max load current                        | 16 A            |
| Dimensions                              | 90x90x40        |
| Protection level                        | IP21            |
| Protection class                        | II              |
| Settings are retained when power is off | 12 months       |
| Clock operates                          | 4 hours         |
| Operating temperature                   | +5...+ 40 °C    |
| Temperature adjustment limits           | +5...+ 45 °C    |
| Acceptable relative air humidity        | 80 %            |
| Remote floor temperature sensor         | NTC 6,8 kΩ      |
| Built-in air temperature sensor         | NTC 6,8 kΩ      |
| Each sensor operates independently      | +               |
| The sensors work together               | +               |
| Compatible with other sensors           | -               |
| Operating mode without floor sensor     | +               |
| Self-testing                            | +               |
| Anti-freezing mode                      | +               |
| Backlight                               | +               |
| Clock                                   | +               |
| Colour                                  | white           |
| Warranty                                | 3 years         |
| Lifetime                                | 10 years        |

## Components supplied

- Teploluxe SE 200 thermostat
- Floor temperature sensor
- User manual



## Approvals



# Teploluxe Premium MCS 350

## Smartphone-controlled

Teploluxe MCS 350 includes a thermostat with a builtin Wi-Fi module and a special free app for mobile devices. The heating system is managed remotely using a Wi-Fi connection directly from a smartphone with the SST Cloud app installed or through a Wi-Fi home router. Teploluxe MCS 350 can manage various room heating systems:

- electric and water\* underfloor heating;
- electric radiators and other electric equipment.

Teploluxe MCS 350 keeps the heated surface at a comfortable temperature while optimising energy consumption.

- Wi-Fi module for smartphone-based management;
- free app in Russian for mobile devices;
- control up to 32 electric heating systems in different rooms;
- 24/7 programming;
- two temperature sensors: floor and air.



MCS 350

## System workflow

Floor heating is managed remotely through a Wi-Fi connection directly from a smartphone with the SST Cloud application installed.



For water underfloor heating management.

\* The thermostat can be connected to a normally-closed valve (thermostatic head) controlling hot water supply to water circuits. The valve must be rated to 220 V. The thermostat's load terminals are connected to the valve's electromagnetic winding leads.



# Teploluxe MCS 350 thermostat specifications

|   |                            |
|---|----------------------------|
| Controller type                         | digital                    |
| Maintenance                             | +                          |
| Programming                             | 4 events/7 days            |
| Power supply voltage                    | 220 V                      |
| Max load current                        | 16 A                       |
| Dimensions                              | 90x90x40                   |
| Protection level                        | IP21                       |
| Protection class                        | II                         |
| Settings are retained when power is off | 12 months                  |
| Clock operates                          | 4 hours                    |
| Operating temperature                   | +5...+ 40 °C               |
| Temperature adjustment limits           | +5...+ 45 °C               |
| Acceptable relative air humidity        | 80%                        |
| Remote floor temperature sensor         | NTC 6,8 kΩ                 |
| Built-in air temperature sensor         | NTC 6,8 kΩ                 |
| Each sensor operates independently      | +                          |
| The sensors work together               | +                          |
| Compatible with other sensors           | 6,8; 10; 12; 15; 33; 47 kΩ |
| Operating mode without floor sensor     | +                          |
| Self-testing                            | +                          |
| Anti-freezing mode                      | +                          |
| Backlight                               | +                          |
| Clock                                   | +                          |
| Power consumption statistics            | +                          |
| Colour                                  | white                      |
| Warranty                                | 5 years                    |
| Lifetime                                | 10 years                   |

## Free app



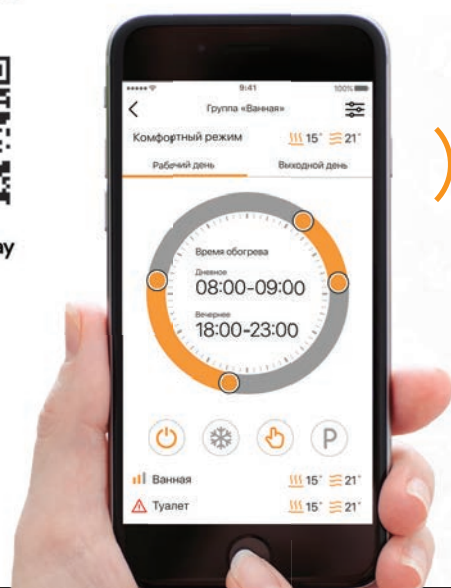
SST Cloud



## Components supplied

- Teploluxe MCS350 thermostat
- Floor temperature sensor
- Datasheet
- User manual

## Approvals



# Teploluxe Flora

## Towel rails

### Style and functionality

Teploluxe Flora is an ultra thin glass electric towel rail – an elegant and functional interior element.

The Teploluxe Flora towel rail provides quick, even and delicate drying of textiles, without deforming, or damaging them.

Electric towel rails are particularly useful in cottages and summer residences without central water, heating, pipe systems or conventional water tower rail are available.

Teploluxe Flora can be hung on any wall in a bathroom, kitchen or hallway. There is no need to carry out major renovations or to cut into the existing water supply system. Teploluxe Flora is extremely easy to install and operate. The installation procedure only takes 30 minutes.







## It is an ideal solution for comfort in any room

Thanks to its design, Teploluxe Flora can be used without towel rails as a heater to provide a comfortable temperature in separate occupied spaces.

- Kitchen In addition to towel drying, Teploluxe Flora adds brightness to the interior and creates a comfortable environment for family and social gatherings.
- Children's room It does not dry the air and generates very soft heat with constant temperature, regardless of how long it operates. Made from eco-friendly and safe materials.
- Bedroom It preserves oxygen and provides a comfortable climate for sleeping.
- Hallway. It provides additional heating and effectively dries rain-soaked clothing.

## Advantages

- Up to 40% more effective than metal towel rails
- Distinctive and stylish design
- Quick and delicate drying
- Independent from the water supply, heating or piping conditions
- Easy to install and operate
- Cost-effective
- 16 design styles

## Colour range



° The colour shade may differ from that shown



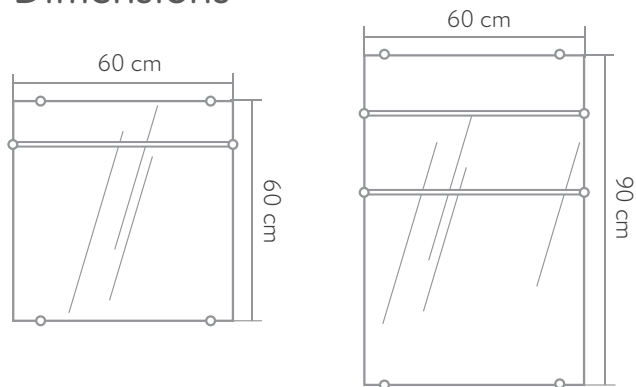
## Installation

Teploluxe Flora is mounted onto a wall and plugged into a 220 V power system. When used as a wallmounted heater, it can be placed horizontally, vertically or as a rhombus.

## Components supplied

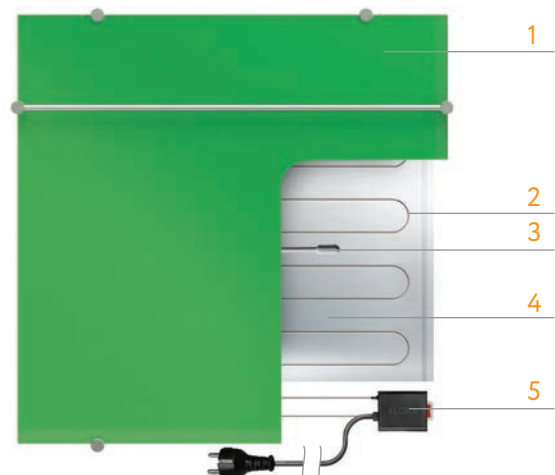
- Towel rail – 1 pc.
  - Set of holders – 4 pcs.
  - Hexagonal mounting wrench – 2 pcs.
  - Mounting and installation guide – 1 pc.
  - Set of self-driving screws
  - Towel rail\*
- \* 1 pc. for 60×60  
2 pcs. for 60×90

## Dimensions



## Design

1. Tough hardened glass provides even heat transmission
2. The heating cable with two-layer insulation withstands temperatures up to 120 °C
3. The thermoswitch provides overheating protection
4. The flame-resistant ABS plastic cover provides fire safety
5. The small, moisture-proof switch located behind the decorative panel provides a high level of ingress protection (IP44) and is imperceptible in the interior





## Specifications

|   |               |       |
|---|---------------|-------|
| Dimensions (H×W), cm                                  | 60×60         | 60×90 |
| Power, W  | 160           | 260   |
| Power supply voltage, V / frequency, Hz               | 220±10%/50–60 |       |
| Electric shock protection class                       | II            |       |
| Ingress protection level                              | IP44          |       |
| Operating temperature on the heater's surface, °C     | 65–75         |       |
| Power cord length, m                                  | 2             |       |
| Warranty  | 2 years       |       |
| Weight of radiator with mountings and towel rails, kg | 5,2           | 10,5  |
| Towel rail's maximum admissible load, kg              | 4             |       |
| Maximum number of towel rails, pcs.                   | 2             | 4     |

## Approvals





# Teploluxe

## Electric stainless steel towel rails

An electric towel rail is the best solution for a cottage or summer residence without central heating and with a conventional water towel rail. An electric towel rail is very useful in the kitchen, where you always need a dry towel. It does not take long to install an electric towel rail – you don't need to dismantle walls or cut into the hot water system. Just mount the electric towel rail on a wall and connect it yourself.

### Advantages

- It does not depend on water supply conditions
- High electrical safety
- Quick towel rail heating
- Ease of installation
- The body is made of polished stainless steel

### Design

1. The stainless steel body is durable and does not rust.
2. The heating cable provides effective drying.
3. Adjustable wall mountings securely fix the product on any surface.
4. Convenient switch.

### Installation

Connection to 220 V power system.  
Two electrical connection options are available: open (using cord and plug) and hidden, where the cord is fed to the towel rail from the wall.



# Teploluxe Sahara and Teploluxe Savanna

Ergonomic metal towel rails are a stylish and effective solution for various bathroom settings. The stainless steel body is resistant to external influences and coupled with a reliable and safe heating cable it provides comfort, durable and safe operation of towel rails.

The design of the towel rail allows you to dry the maximum number of towels and textiles at the same time. Advanced production technologies ensure that the products are highly reliable and safe.

## Specifications

### Teploluxe Sahara

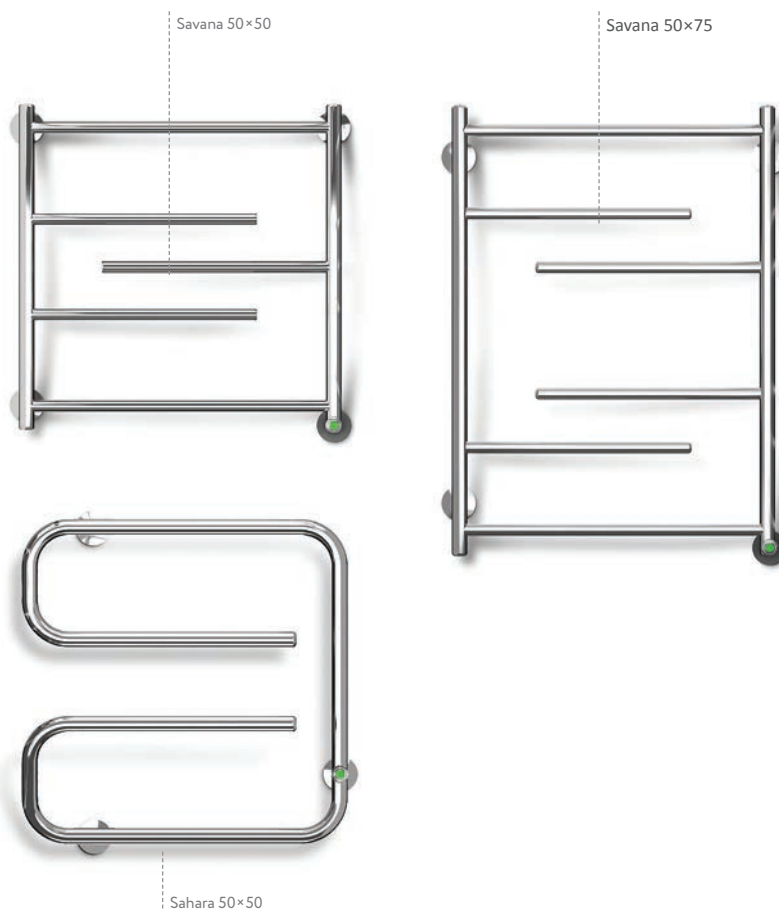
|                             |          |
|-----------------------------|----------|
| Dimensions (W×H), cm        | 50×50    |
| Nominal power, W            | 53       |
| Nominal weight, kg          | 2,5      |
| Nominal temperature, °C     | 55       |
| Installation wire length, m | 1,5      |
| Protection level            | IPX3     |
| Power supply voltage, V     | 220±10 % |
| Admissible load, kg         | 4        |
| Warranty                    | 2 years  |

### Teploluxe Savanna

|                             |          |       |
|-----------------------------|----------|-------|
| Dimensions (W×H), cm        | 50×50    | 50×75 |
| Nominal power, W            | 40       | 50    |
| Nominal weight, kg          | 2,6      | 3,2   |
| Nominal temperature, °C     | 55       |       |
| Installation wire length, m | 1,5      |       |
| Protection level            | IPX3     |       |
| Power supply voltage, V     | 220±10 % |       |
| Admissible load, kg         | 4        |       |
| Warranty                    | 2 years  |       |

## Components supplied

- Towel rail with electric plug and switch
- Datasheet, user manual
- Mounting brackets
- Decorative moulding
- Wooden plugs and self-driving screws
- Hexagonal wrench



## Approvals



# Teploluxe Mirror

## Mirror demister

Teploluxe Mirror demister removes humidity from the mirror's surface, preventing condensation and providing total comfort in bathrooms or any other high-humidity rooms, such as saunas, washrooms, etc. Just stick the heater to the reverse of the mirror, plug it into a power source and enjoy an always dry and clear mirror!

### Advantages

- Fits almost any size and configuration of mirrors
- Equipped with heat insulation
- Glue layer for easy instant mounting
- Can be plugged into the mirror's backlight or main power system



### Design

1. The product can be plugged into the mirror's built-in lighting system with its power cord.
2. The heating cable's ground circuit provides electrical safety.
3. Foiled heat insulation provides maximum effectiveness.
4. The location of the heating cable enables even heat distribution.
5. An adhesive layer provides easy mounting.



### Components supplied

- Mirror demister
- Datasheet
- User manual



## Specifications

|                                   |               |       |
|-----------------------------------|---------------|-------|
| Dimensions (W×H), cm              | 50×42         | 60×50 |
| Nominal power, W                  | 35            | 50    |
| Supply voltage, V                 | ~220          | ~220  |
| Ambient operating temperature, °C | от +18 до +30 |       |
| Heater operating temperature, °C  | 40            |       |
| Electric shock protection class   | I             |       |
| Moisture protection level         | IPX4          |       |
| Installation wire length, m       | 1,5           |       |
| Warranty                          | 2 years       |       |

## Installation

1. Remove part of the protective paper to free the adhesive layer. Place the heater's edge with the protective paper removed onto the area marked on the mirror. Glue the heater to the mirror, carefully removing the paper.

2. We recommend connecting heaters to the mirror's built-in backlight if the backlight's cabling is rated for additional load. The heater is most effective for mirrors 4–6 mm thick.

## Approvals



Compliance  
certification



# Teploluxe Express

## Mobile underfloor heating

Teploluxe Express is a simple and comprehensive solution for homes and summer residences. Just lay it on the floor, cover it with a carpet, plug it into a power source and enjoy your underfloor heating! You can take the Teploluxe Express from your city apartment to your summer residence; it can be used in different rooms and is easy to store. Teploluxe Express is a heating mat based on a thin heating cable enclosed in waterproof protective cover and equipped with 2.5 m installation wire.



## Advantages

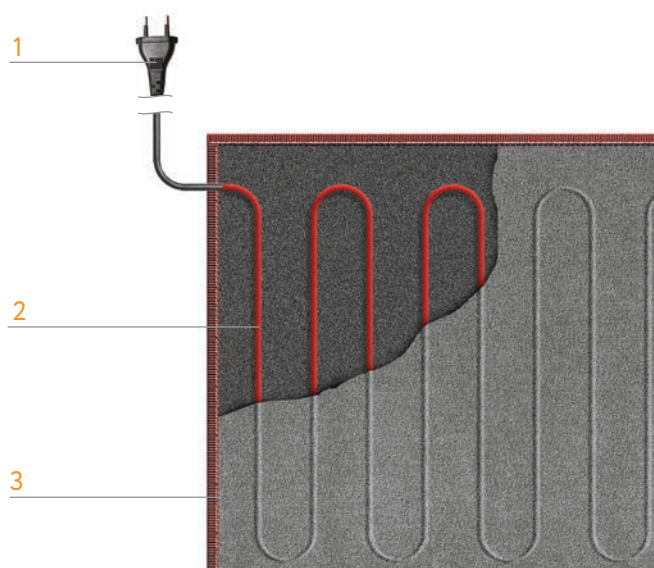
- Fully ready for use and does not need to be mounted
- Suitable for any floor (wooden or parquet, linoleum, different types of tiles)
- The right solution for off-season periods, especially for summer residences and cottages
- The best underfloor heating solution for rental apartments
- Safe and practical – easy to clean, store and transport

## Specifications

|   |         |         |
|---|---------|---------|
| Dimensions, m                           | 2,0×1,4 | 2,8×1,8 |
| Area, m <sup>2</sup>                    | 2,8     | 5,04    |
| Supply voltage, V                       | ~220    |         |
| Nominal power, W                        | 300     | 560     |
| Maximum carpet surface temperature, °C  | 30      |         |
| Time to reach maximum temperature, min. | 60      |         |
| Installation wire length, m             | 2,5     |         |
| Warranty                                | 2 years |         |
| Electric shock protection level         | II      |         |
| Ingress protection level                | IPX7    |         |

## Design

1. Universal plug for all types of sockets.
2. The thin and flexible heating cable evenly distributes heat and is not noticeable during operation.
3. The tough artificial felt cover is easy to clean.

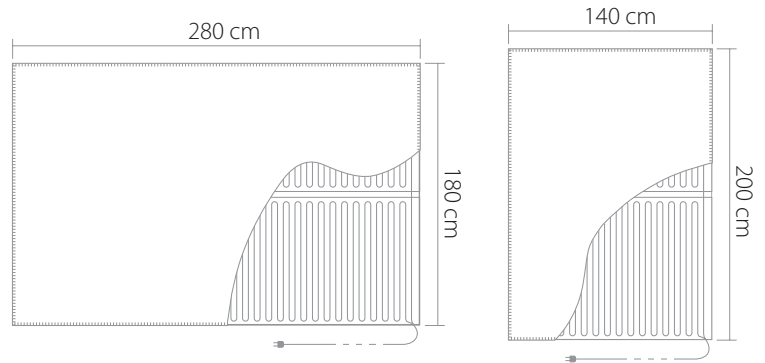


## Installation

1. Lay the heater on the floor.
2. Cover it with a carpet.
3. Plug the heater into the power system.

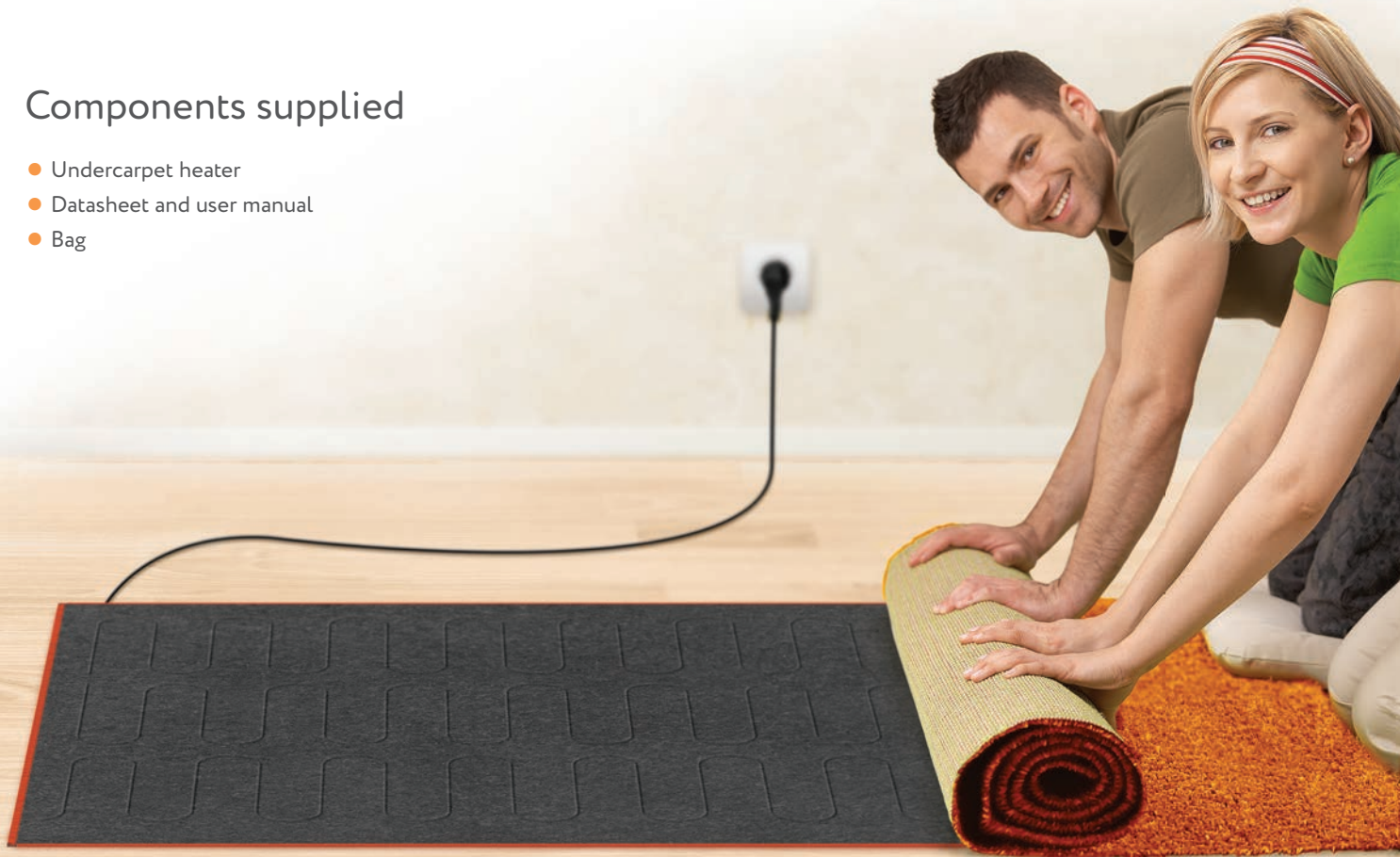
We recommend using low-pile, pile-free or tufting (woven) carpets.

TeploLuxe Express is available in 2.0x1.4 m and 2.8x1.8 m designs, which are suitable for standard sized floor carpets.



## Components supplied

- Undercarpet heater
- Datasheet and user manual
- Bag



## Approvals





# Teploluxe Carpet

## Warm carpet

Teploluxe Carpet is designed to delicately dry shoes and warm your feet.

The carpet removes moisture and keeps your shoes in shape. It provides gentle care and softly dries shoes made of leather, suede and other delicate materials. Teploluxe Carpet is a must-have where comfortable heat is needed (for example, at your desk).



## Advantages

- The temperature at the carpet's surface does not exceed 40 °C, which ensures that your feet are kept comfortably warm and your shoes are gently dried
- Fully ready for use – just plug it into the socket
- Compact and cost effective – power consumption is only 70 W/h
- High operational safety: high protection even from water spray (IP67 protection level)
- Easy to remove dust and dirt

## Components supplied

- Heated carpet
- Datasheet and user manual

## Design

1. Grounded Euro plug.
2. Sealed, moisture-proof PVC base.
3. Flexible, resistant to mechanical impact heating cable.
4. Tough pile dirt-retentive coating.

## Installation

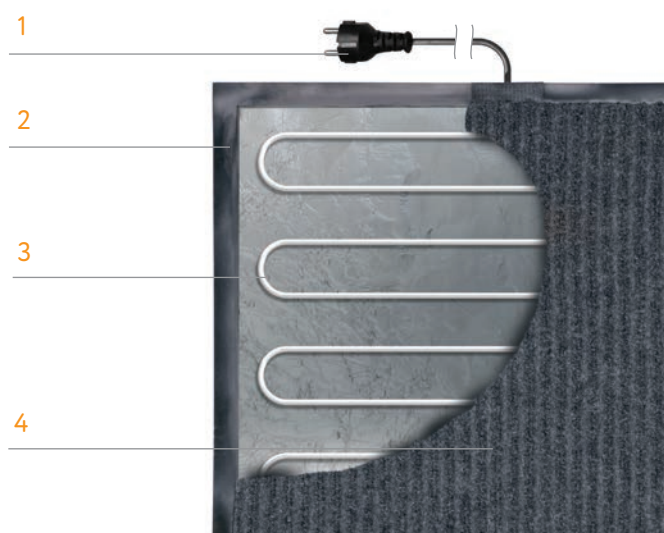
1. Lay the heater on the floor.
2. Plug the heater into the power system.

## Approvals



## Specifications

|                                 |              |
|---------------------------------|--------------|
| Dimensions, cm                  | 80×50        |
| Power, W                        | 70           |
| Voltage, V                      | ~230         |
| Electric shock protection class | I            |
| Ingress protection level        | IP67         |
| Installation wire length, m     | at least 1.8 |
| Surface temperature, °C         | 35–40        |
| Pile color                      | grey         |
| Warranty                        | 1 year       |



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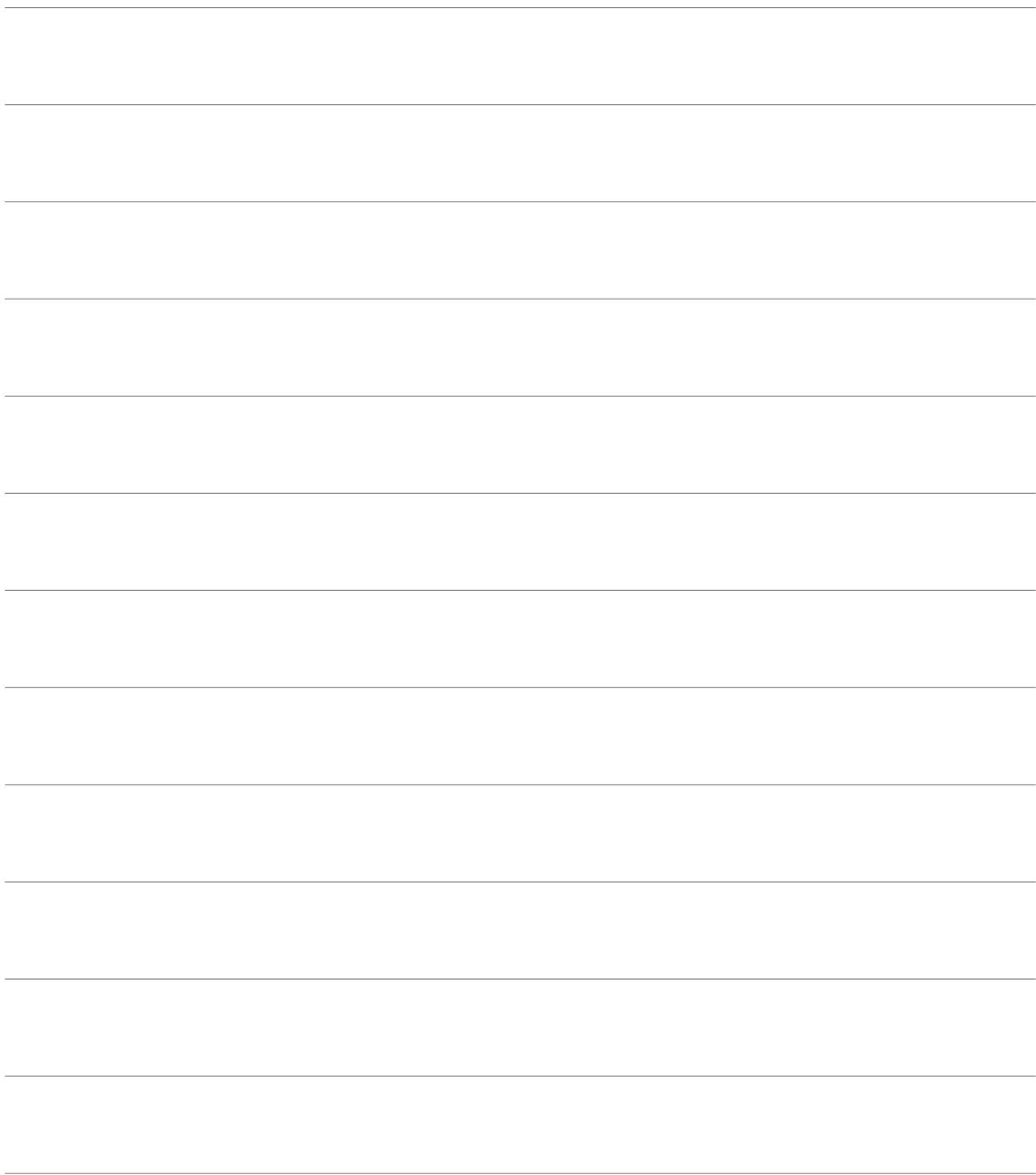
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# Notes

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Comfortable living



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