

## ThermoLux Heating Mats



### Operating Instructions:

ThermoLux heating mats are made of water-proof and rot-proof materials, are absolutely watertight, and can be used without any danger in freshwater. They offer maximum safety due to the built-in, full-surface protective conductor. **Always remove the plug from the power socket before cleaning the mat or working on the aquarium, to prevent danger of electric shocks.**

The mats are connected by means of the plug direct to the 230V power supply, and at an ambient temperature of 20 °C, and without a cover, reach a maximum surface temperature of approx. 42 °C.

The heating of the mat depends however on the undersurface, the ambient temperature and the amount of substrate to be heated (sand, mulch, water etc.) and can take from several hours to days.

When used without temperature limitation, take care to **avoid overheating** of the ThermoLux heating mat, since the mat can reach a temperature of over 100 °C if placed between dry substrates!

### Please note the following safety instructions:

- Please note the specific usage instructions on the mat, the packaging and the following pages!
- Ensure that the cable does not become trapped or disconnected.
- Do not use the mat any longer if it or the cable are damaged!

### 24 month warranty for defects:

We offer our customers a guarantee of 24 months. The guarantee does not however apply in cases where damage due to overheating, or injury due to electric shock, is caused by improper use of the

equipment by the customer (failure to observe the safety and usage instructions, improper use, use for other purposes, continued use of damaged mats).

### Use as a terrarium underlay

#### Note:

The mat **must not be placed in the terrarium**, since animals may crawl under it, or it may be damaged by animals with sharp claws.

The mat **must not be placed between two layers of insulating material** (e.g. styropor, wood shavings, other substrate material). This could lead to a build-up of heat, and damage to the terrarium or heating mat (see General Instructions)!

The mat should be placed under the terrarium so as not to cover the whole of the terrarium area, so that the reptiles are also left with cooler areas. In order to avoid heat loss, the ThermoLux heating mat should be placed on a sheet of styropor.

To avoid damaging the terrarium base by thermal and mechanical stresses, do not place the terrarium directly on the mat. Spacers (e.g. wooden slats) should be laid along the whole length of the terrarium base between the mat and the terrarium base, leaving a distance of about 12 mm between the mat and the terrarium. This will ensure an even distribution of heat.

Check the temperature change at the surface of the floor substrate using a thermometer, and adjust the separating distance to achieve the required temperature. Ensure that the humidity is sufficient to prevent the animals suffering from desiccation.

### Use as an underlay for plants

Place the mat on a windowsill or direct in a hydro-culture vessel or seeding tray. Water regularly in order to avoid a build-up of heat and the drying-out of the substrate (earth, hydro-culture). The temperature of the soil

depends on the volume of the vessel/tray and the surrounding temperature.

The **ThermoLux Temperature Regulator** can be used for controlling the temperature. The temperature will then automatically be maintained within the required range. The temperature regulation is only sufficiently accurate within the damp substrate.

### ThermoLux Temperature Regulator (Accessory)

Only for use with damp materials (earth, gravel, sand etc.) and water.

Control range 18 - 36 °C (tolerance: damp substrate  $\pm 3$  °C, water:  $\pm 0.3$  °C), power supply/consumption 230V~ 400 W.

In combination with a plug rail, several ThermoLux mats with a consumption of up to 400 W can be controlled by one temperature regulator.

Please note the instructions on the packaging!

### The following ThermoLux products are available:

#### ThermoLux heating underlays for animal and plant terraria

| Dimensions     | Supply/consumption | Art. No.        |
|----------------|--------------------|-----------------|
| 17.0 x 17.0 cm | 230V~ 6 Watt       | 461265 + 461267 |
| 11.5 x 55.0 cm | 230V~ 10 Watt      | 462265 + 462267 |
| 25.0 x 35.0 cm | 230V~ 15 Watt      | 463265 + 463267 |
| 30.0 x 50.0 cm | 230V~ 30 Watt      | 464265 + 464267 |
| 30.0 x 70.0 cm | 230V~ 35 Watt      | 465265 + 465267 |
| 45.0 x 65.0 cm | 230V~ 40 Watt      | 466265 + 466267 |

#### ThermoLux foot-warming mat

| Dimensions     | Supply/consumption | Art. No. |
|----------------|--------------------|----------|
| 42.0 x 65.0 cm | 230V~ 70 Watt      | 473291   |

#### Accessory:

#### ThermoLux Temperature regulator

| Switching capacity                | Art.No.    |
|-----------------------------------|------------|
| 230V~ 400 Watt                    | 467061     |
| Switching temperature, adjustable | 18° - 36°C |

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