HabiStat

HEAT MATS

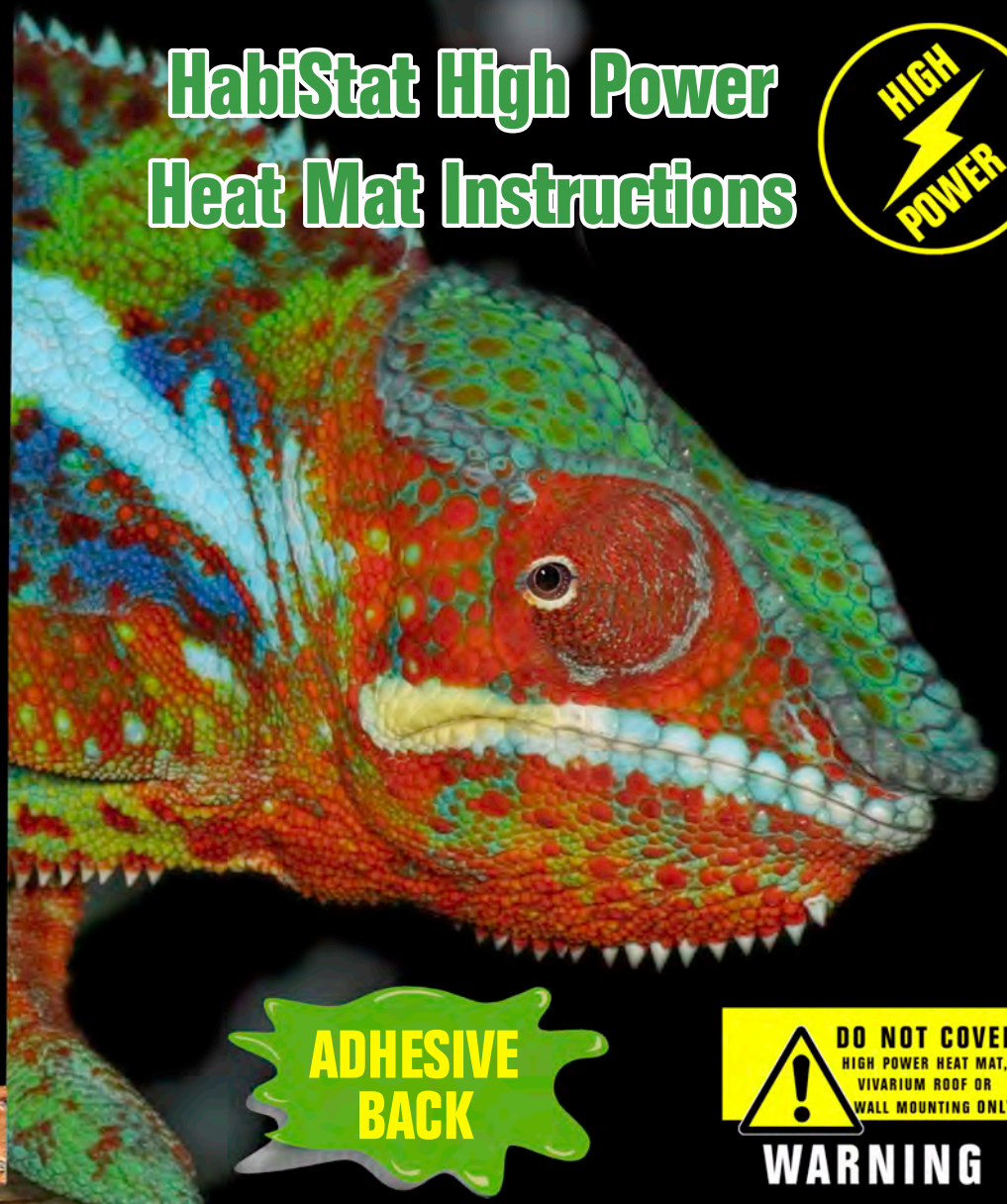
ADVANCED REPTILE HEATING

HIGH POWER HEAT MATS WITH ADHESIVE BACKING

H200002 150 mm x 280 mm, (6" x 11") 15 W
H200003 280 mm x 280 mm, (11" x 11") 25 W
H200004 430 mm x 280 mm, (17" x 11") 40 W
H200005 590 mm x 280 mm, (23" x 11") 60 W

HabiStat High Power Heat Mat Instructions

HIGH POWER



DO NOT COVER
HIGH POWER HEAT MAT, VIVARIUM ROOF OR WALL MOUNTING ONLY
WARNING

ADHESIVE BACK

DO NOT COVER
HIGH POWER HEAT MAT, VIVARIUM ROOF OR WALL MOUNTING ONLY
WARNING

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CONFORMS TO EN 60335-2-30:2003 EN 60335-1:2002

High Power HabiStat Heat Mat Instructions

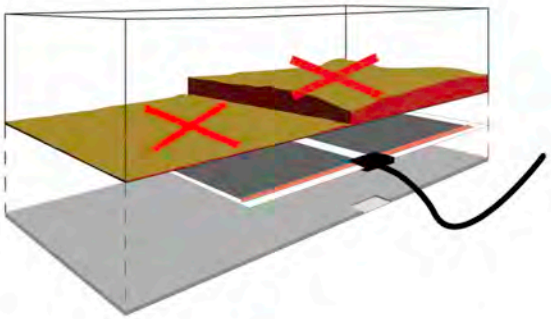
Heat Mats produce ultra long wavelength infra red heat. This wavelength is invisible to the human eye and tends to heat furnishings in the cage rather than the air. This action of heating is very similar to the sun and it has the ability to heat anything that it strikes but with the air temperature remaining much lower. Reptiles absorb this in a manner very similar to basking in a natural environment.

Standard power heat mats are ideal as gentle background heaters and underfloor and tub heaters in rack systems.

In some applications, the heat output is just not enough to raise the temperature adequately enough and this is where the high power heat mats are required.

Unlike standard HabiStat Heat Mats we have manufactured the High Power range with significantly more energy to enable them to be used in a different manner.

Under no circumstances should they be used, in the traditional way, underneath or on the floor of the vivarium. They get too hot and will cause harm to your animals.



They can be used as general heaters either overhead or attached to the side or back of the vivarium.

They are provided with a sticky back that can be used if required to attach them.

They must be controlled with an appropriate HabiStat Thermostat. (Check thermostat instructions for suitability) Proportional or Dimming control is recommended as this will provide a gentle heat for the animal to find and utilise all the time, rather than providing a hot and cold cycle that simpler on and off thermostats offer.

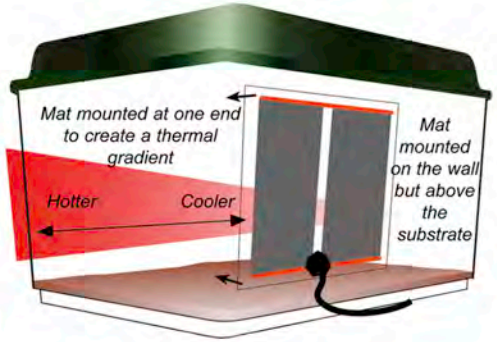
As with standard power mats additional heat sources may be required for species with a requirement for very hot basking areas or extreme temperatures.

If in doubt please seek expert advice with regard to the animal's specific requirements.

Installation guide: Read these instructions fully before installation.

All heaters can be potentially hazardous if misused. Do not take any risks with the lives of your animals. Do not use the heat mat if it appears perforated or damaged. Please note that white areas that appear to be bubbles in the laminate are not faults. This is delamination and will not affect the performance of the heat mat.

Most reptiles require a thermal gradient in their vivarium. That is they need to be able to move in and out of warmer and cooler areas. The heat mat should be positioned so that around one half of the size of vivarium is being heated. The remaining unheated section allows the animals to move away from the heat when required.



The heat mat can be fixed to the outside of glass tanks, either on the end wall or back. If used on the back please ensure that any insulative backgrounds that will stop the heat getting into the cage are removed.

In the HabiStat Habitat glass vivariums they can be utilised as overhead heaters simply by laying the heat mat on the wire at one end of the cage. Ensure that the frame does not get too hot if in contact with the heater and ensure that any fluorescent or LED overhead lighting is neither covered nor affected by the heat mat. Make sure no wires are laying on or trapped under the heater. For general heating they can be fixed to the side wall or the back wall or both if greater warmth is required. As always, ensure that the heat is all at one end and the animal can escape from the heat.

If the HabiStat Habitat glass vivarium is used with water in the base one heat mat can be fixed to the base of the cage to provide a degree of heating to the water. The biggest mat available should be used to heat any water in the base and this should be properly attached to the base with good contact for adequate heat transfer and effectiveness. When used in combination with wall heaters it is advised that one thermostat, with the probe placed in the water is used to control the water temperature and another thermostat controls the wall or back heaters with the probe managing the air temperature.

If used in wooden or melamine structures the High Power heat mat must be fixed inside the vivarium, on the wall or overhead. Wood is a good insulator and, if the heat mat were placed outside such a vivarium, little heat would find its way into the vivarium. This would thermally block the mat and may present a high risk of overheating.

Ensure that the heat mat is fixed securely to the wall of the vivarium. Use adhesive back and if necessary, for security, use additional good quality adhesive tape fixed onto the clear edges of the heat mat. These areas do not get warm. Do not use low tack adhesive tapes such as masking or insulating tape. If used inside please ensure that the heat mat cannot move and that the animals cannot get behind it. It is important that no sticky tape remains exposed. Inquisitive snakes will very quickly find tape adhesive and get stuck to it and their resulting removal is often very difficult and can damage the snake. A poorly fixed heat mat could spell disaster for an animal looking for somewhere to hide.

It is perfectly safe to wipe the heat mat with a damp cloth for routine cleaning but as with any electrical appliances, disconnect it from the mains first! Under no circumstances should any moisture be allowed to penetrate the terminal block.

With large monitor lizards, iguanas or any burrowing species, there should be safeguards against the animal piercing the mat if on the wall whilst digging. The heat mat must not be pierced, folded or cut.

Finally

Remember, never install heating and then leave it unattended. Establish that the installation is correct and that the vivarium is being maintained at the desired temperature. Never expose animals to any risk of over heating. Once installed, heating should be tested for a minimum of 48 hours prior to the introduction of livestock. Do not risk the animal's safety! If there is any doubt, consult a qualified electrician.

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Vivarium Heat Mat
230 volts 50hz

DOUBLE INSULATED

CONFORMS TO
EN 60335-2-30:2003
EN 60335-1:2002