

# BIOMAT

## INFINITY CHIROPRACTIC & WELLNESS CENTRE

5-3091 Strandherd Drive (At Woodroffe)

Ottawa, ON K2G 4R9

Phone: (613) 440-8444

Email: [health@myinfinitychiro.com](mailto:health@myinfinitychiro.com)

### Benefits of the Biomat:

- Helps relieve muscle and joint pain
- Relaxes muscles
- Increases local circulation
- Relieves minor strains and sprains
- Reduces stress and fatigue

### What is thermotherapy?

Thermotherapy is the use of heat as therapy in any form. (e.g. a mat, heating pad, hot water bottle... etc.)

Some benefits include:

- Increased blood flow
- Increased local tissue metabolism
- Improves healing of damaged tissues
- Relieves muscle pain

## How does the Biomat function?

The Biomat uses a combination of fabrics and amethyst stones embedded in its many layers to generate far infrared rays which are then transferred to your body in the form of heat. This is different from regular heated blankets which only use electricity through its fabric to generate heat. These far infrared rays will warm the part of your body in contact with the mat as well as the inside of your body.

The Biomat has a special feature that auto regulates the temperature to prevent overheating. When one area of the mat exceeds the

set temperature, the thermal sensors will detect this change and cut off the current to that area.

The Biomat also contains a layer of tourmaline to deliver natural negative ions, also known as anions. These are

abundant in natural environments such as mountains, waterfalls, forests, and oceans. The negative anions can sometimes simulate the sensation of being in such environments.



<http://www.thebiomatstore.com/>

The Biomat consist of 17 unique layers including fiberglass, thermal protection, and an amethyst layer for transferring natural infrared rays.

## Negative Ions

In general, negative ions increase the flow of oxygen to the brain. This leads to a sense of calmness and relaxation. Studies show that negative ions have a positive effect on sleep, mood, and depression

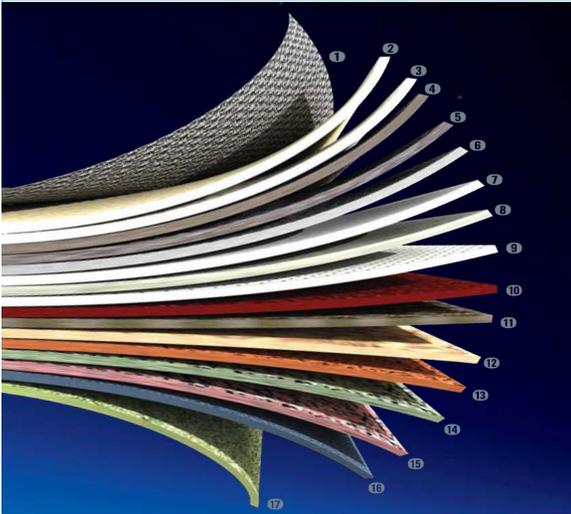
symptoms. In contrast, positive ions are associated with excitement and anxiety. These are given off by things like TVs, computers, microwaves, and various other appliances.



<https://biomamart.files.wordpress.com/2013/05/biomat-21.jpg>



<https://www.gia.edu/amethyst>  
Raw appearance of amethyst

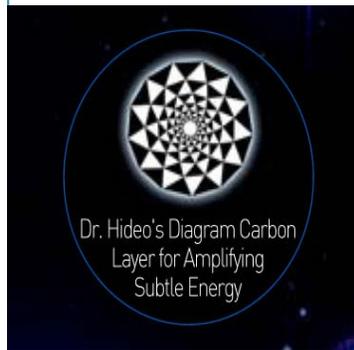


<https://biomamart.files.wordpress.com/2013/05/biomat-21.jpg>

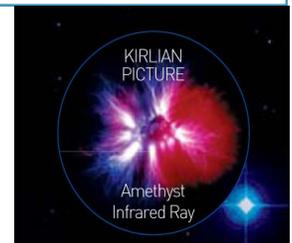
## Far Infrared Rays

Far Infrared Rays (FIR) are rays that lie within a certain region of the infrared section on the electromagnetic radiation spectrum. These waves are too long to be seen by human eyes however our bodies can feel their effect. FIR waves can penetrate up to 4cm beneath our skin. The energy emitted from FIR is enough to resonate with our cellular frequencies.

In a nutshell, this means that FIR can affect our bodies. Specifically, our circulatory system. The circulatory system is what moves oxygen-rich blood to our brain and tissues for energy production as well as removal of wastes. The FIR from the Biomat enhances the circulation of blood to our skin. This can lead to an increase in temperature of our skin as well as surrounding tissues, which can improve the body's natural healing process, your immune system as well as aid in relaxation.



<https://biomamart.files.wordpress.com/2013/05/biomat-21.jpg>



<https://biomamart.files.wordpress.com/2013/05/biomat-21.jpg>

## Biomat and its 17 layers

- **Surface material:** silicon urethane with cotton
- **Amethyst (with tourmaline):** Transfers to natural far infrared rays
- Top waterproof layer
- Hyron cotton layer for thermal insulation
- Second waterproof layer
- Negative ion generator
- Super fiber layer for far infrared rays
- First fiber glass layer (for interception of harmful EMF waves)
- Carbon layer for amplifying far infrared rays
- First Urethane layer for protection and reflection
- Solid square cotton padding layer
- Second fibre glass layer  
(Prevents over heating and harmful EMF waves)
- EMF protected heating plate with Thermostats and Bi-metals
- Second Urethane layer for protection and reflection
- Concentrated ceramic layer for reflection of far infrared rays
- Hyron silk cotton padding layer for thermal insulation
- **Bottom material:** High quality cotton with brass pattern

**INFINITY  
CHIROPRACTIC  
& WELLNESS**



5-3091 Strandherd Drive  
(At Woodroffe)  
Ottawa ON K2G 4R9  
613.440.8444

health@myinfinitychiro.com  
www.myinfinitychiro.com

**Online Booking Available!**