



# LOW IMPACT

PRODUCED BY ECOFIBRE ADVANCED TECHNOLOGIES

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INFR  CYCLE<sup>®</sup>

ADVANCED SOLUTIONS FOR PREMIUM BRANDS  
[www.lowimpact.technology](http://www.lowimpact.technology)

# INFRA<sup>®</sup>CYCLE

## Take Back Your Energy

InfraCycle<sup>®</sup> is a groundbreaking development in energy manipulation.

By harnessing natural minerals known for their exceptional infrared energy emissions and blending with a biophotonic waste bi-product, InfraCycle<sup>®</sup> is engineered to boost localized blood flow, help reduce muscle fatigue, improve recovery time, and sustain energy levels.

InfraCycle is set apart by its unique light management capabilities, selectively blocking and protecting against damaging ultraviolet light.



## Key Attributes

**ENHANCE HOMEOSTASIS**

**IMPROVE COMFORT**

**AID BLOOD FLOW**

*LOCALIZED*

**RAPID RECOVERY**

**EVAPORATE MOISTURE**

**INFRARED EMISSION**

# INFRA<sup>®</sup>CYCLE

## Effortless Application

InfraCycle<sup>®</sup> blends seamlessly into virgin, recycled or bio-polymers, to offer unparalleled versatility and adaptability.

After masterbatching, InfraCycle<sup>®</sup> polymers can be extruded into different yarn sizes and specifications. The InfraCycle<sup>®</sup> powder can be printed directly onto fabric or added in a layer of foam.

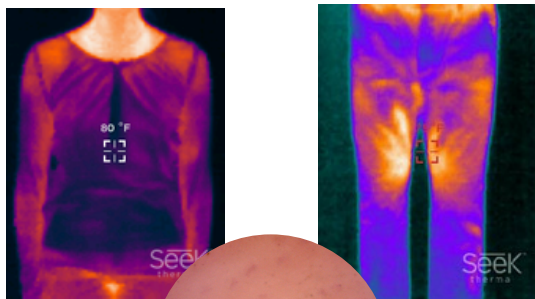


## Visual Proof

Using high tech infrared imaging, we can see drastic improvements to the circulatory system and temperature management of the human body. The following images show InfraCycle<sup>®</sup> regulating temperature where the InfraCycle<sup>®</sup> garment is worn.

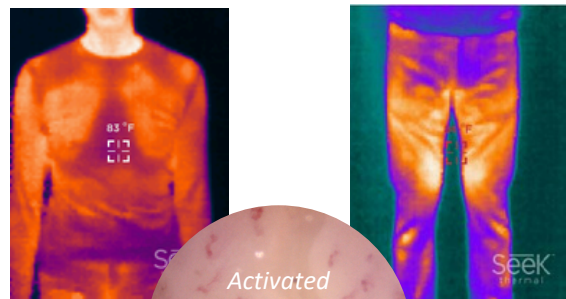
Improved circulation is a key benefit when using infrared products. Using microscopic imaging, we are able to see an improvement in the activity of the capillaries demonstrated below.

### CONTROL



*Normal  
capillary  
size*

### InfraCycle<sup>®</sup>



*Activated  
capillaries after  
10 minutes with  
InfraCycle<sup>®</sup>*

## Clinical Benefits of Infrared Therapy

Over the past two decades, hundreds of clinical studies have been done on the benefits of infrared therapy, with several supported studies listed below.

- Improved MicroCirculation (2, 3, 4)\*
- Reduction in the appearance of Cellulite (5, 6, 7)\*
- Body Aches (8)\*
- Improved Skin Appearance (9)\*
- Decreased menstrual discomfort (1, 10, 11)\*

### Appendix A

1. <https://pubmed.ncbi.nlm.nih.gov/21827932/>
2. [https://www.jstage.jst.go.jp/article/ahs1983/6/1/6\\_1\\_31/\\_article](https://www.jstage.jst.go.jp/article/ahs1983/6/1/6_1_31/_article)
3. <https://www.sciencedirect.com/science/article/pii/S2211913215300656>
4. [https://www.researchgate.net/publication/7174401\\_Biological\\_effect\\_of\\_far-infrared\\_therapy\\_on\\_increasing\\_skin\\_microcirculation](https://www.researchgate.net/publication/7174401_Biological_effect_of_far-infrared_therapy_on_increasing_skin_microcirculation)
5. <https://pubmed.ncbi.nlm.nih.gov/16537213/>
6. <https://pubmed.ncbi.nlm.nih.gov/17558758/>
7. <https://pubmed.ncbi.nlm.nih.gov/18991154/>
8. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2539004/>
9. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3926176/>
10. <https://pubmed.ncbi.nlm.nih.gov/28686000/>
11. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3536333/>