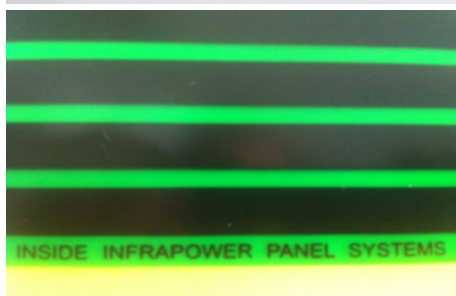


## INSIDE INFRAPOWER

### STATE OF THE ART

- **PROOFED 18% BETTER THAN ALL OTHER PANELS**
- **WITH PATENTED NEW TECHNOLOGY**



### INFRAPOWER – PROOFED NUMBER ONE IN THE MARKET

We have tested our new developed technology with Seibersdorf Laboratory AUSTRIA<sup>1</sup>. The result: INFRAPOWER panels **perform 18% better than the best known European brand.**<sup>2</sup>

What it means is that INFRAPOWER panels produce around 18% more infrared waves than the best EUROPEAN made panels.

The most important for an infrared panel is that it produces the highest possible percentage of infrared (and the lowest possible percentage of normal convectional heat). If an infrared panel has a low percentage of efficiency it is not an infrared heater but a convectional heater.

### MARKET POTENTIAL AND PROBLEMS

As you know, the market for infrared heating panels is still very small and people do not know much about radiant heat. The heating industry is still controlled by big gas/oil/pump and some photovoltaic companies.

However, we are already facing another big problem. Every company selling infrared panels is telling **different information** to the market (different data about the W/m<sup>2</sup> needed in a room/house, different data about health influence, etc.). The result is: the **final customer is confused** whom to believe and at the end he

<sup>1</sup> [www.seibersdorf-laboratories.at](http://www.seibersdorf-laboratories.at)

<sup>2</sup> Official documents issued from Seibersdorf Laboratories will not be sent via email as we did not do the study for publishing its results. We do not want create a “war” in a market which is still at the beginning of its success. From our understanding, all producers of radiant infrared panels need to work together to create a bigger market and should not fight “wars against each other”. However, we are glad to proof our results to all our customers (but not for advertising the results but for internal use). Please contact us for further information/documentation.

still prefers a known convectional heating system.

We do not want to say that everybody selling infrared panels is “a liar”. But it is true that everybody is using a different method to calculate and measure his performance and health influence.<sup>3</sup> Unfortunately, there are no official independent institutions which test different infrared panels and publish the results.

With our approach we tried to put an independent institution in the middle.<sup>4</sup> We compared our new heating technology to the best known European producer.<sup>5</sup>

Our customers can be sure that selling INFRAPOWER technology will not disappoint the expectations of the final user and that **nobody else in the market offers better panels.**

## NEW TECHNOLOGY DEVELOPED IN AUSTRIA

The last 3 years we have worked on a completely new technology which we introduced in the end of the season 2012/13. Since then we took all data and improved further for the coming 2013/14 winter season. We have worked together with Austrian/German technicians and an Austrian very recognized laboratory specialized in improving and testing appliances similar to ours (Seibersdorf Laboratories) independently tested all steps.

Together with a Japanese supplier of us, we found a solution to combine highest carbon

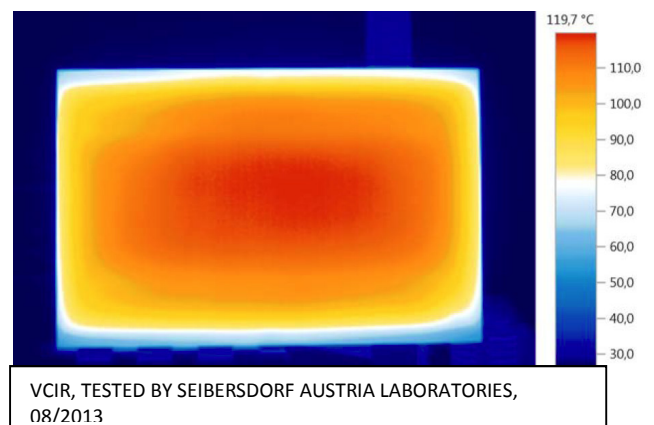
<sup>3</sup> Efficiency rates given by different companies range between 45 and 97%. In reality almost every infrared panel sold has below 50% (which means that more than 50% is convectional heat).

<sup>4</sup> In Germany at the University of Kaiserslautern recently many studies have been performed and many infrared panels have been tested for their efficiency rate. However, no official test results were published.

<sup>5</sup> INFRAPOWER was compared to Redwell Manufaktur GmbH Austria.

nickel grade with the newest conductor technology in the market (used for example also for all quality touch-pads or the best US/German/Japanese made photovoltaic modules). This technology provides us with the following advantages:

- ✓ **high surface temperature with lowest possible power consumption**
- ✓ **very equal surface temperature on the total surface**
- ✓ **highest possible output of infrared**
- ✓ **safe and very durable**



Test House for Laser, LED & Lamp Safety  
Gutachten NR. LE-G-0035-1/11

