



# Frameless Anti-Microbial Aluminium Panel Family

About Our Product Range:

## Frameless Anti-Microbial Aluminium Panel



Available in white and black 350w-1200w

### Manufacturer Material Specification

Surface Design:	Frameless Powder Coated Heat Resistant Aluminium
Heating Element:	Carbon Crystal Nanotech Ink
Material:	Aluminium
Construction:	Folded Aluminium with Insulation Layer
Fixings:	Wall/Ceiling/Grid Ceiling
Connection:	2-metre cable
Service Life:	20 Years
Warranty:	10 Years *Conditions Apply
IP Rating:	IP41

The antimicrobial far-infrared panel is ideal for all types of indoor areas. The coating of the heating panel is an agent which interferes with the growth and reproduction of bacteria.

Antimicrobial finishes in particular help to prevent and restrict the spread of harmful bacteria, such as E.coli, listeria and Pseudomonas on contact surfaces.

As our panels only heat mass, rather than air, bacteria won't be able to spread as easily in the atmosphere, making them highly suitable for hospitals and clean rooms, where foreign contamination can disrupt treatment or cause illness.

Our 350watt panels are designed to also fit into an integrated grid ceiling, allowing for greater flexibility for installation.

#### The Negative Health Effects of Harmful Bacteria



##### Protein Damage

Proteins are essential for the biological systems of life. Any damage to these components causes the failure of essential functions such as energy production.



##### Cell Membrane Damage

By disrupting the microbes membrane, its structural integrity is compromised, which can cause essential nutrients to leak out and catastrophic structural failure.



##### Oxidative Damage

Antimicrobials can cause increased levels of reactive oxygen species, which result in damage to the internal systems of the microbe.



##### DNA Interference

The genetic material of the bacteria is disrupted, ultimately stopping the bacteria from being able to replicate by blocking the copying of their genetic material.

### Probyn Electrical Ltd

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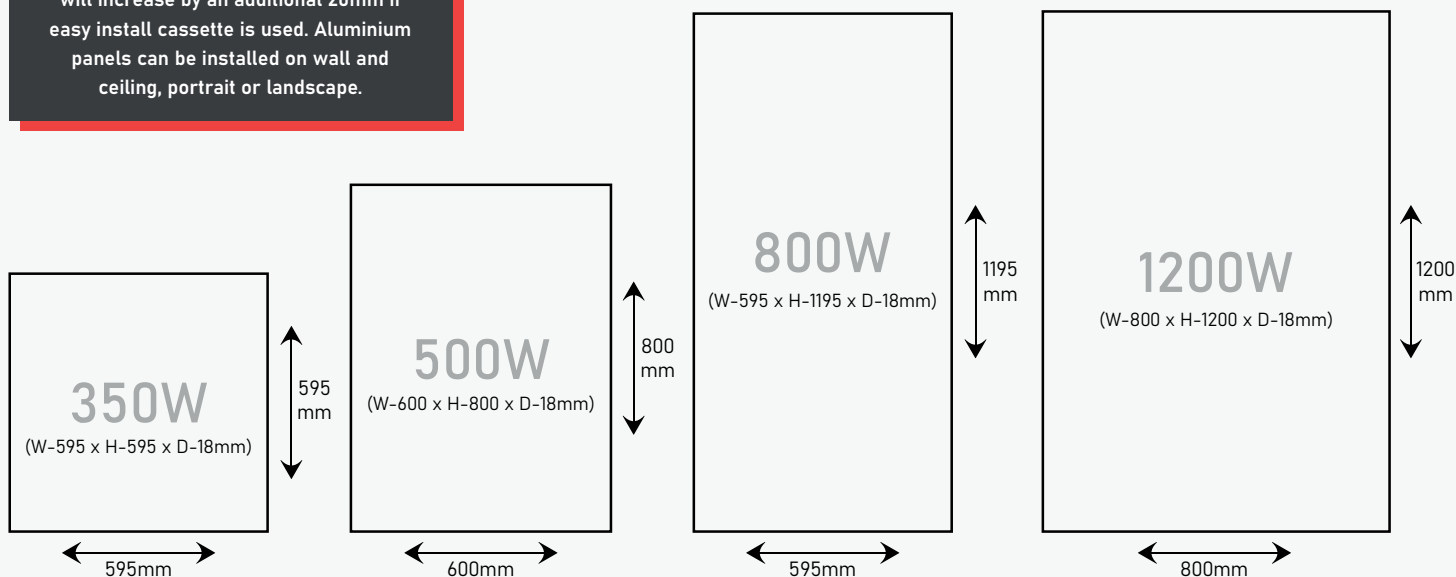
\*Yandiya far-infrared panels must be used in conjunction with thermostat control units. We recommend installation by a qualified engineer.



## Frameless Anti-Microbial Aluminium Panel Family

### Anti-Microbial Aluminium Heating Panel CAD Drawings and Dimensions:

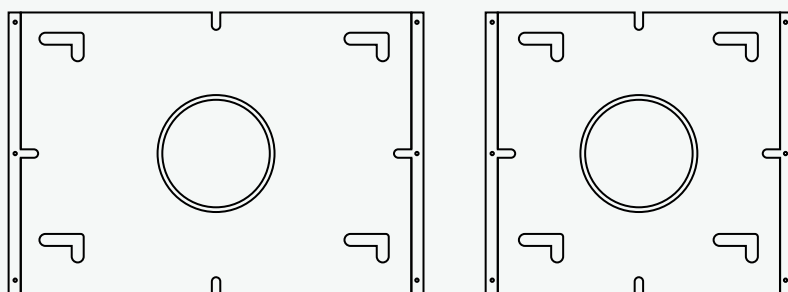
Panel thickness is 18mm; Depth of panel will increase by an additional 20mm if easy install cassette is used. Aluminium panels can be installed on wall and ceiling, portrait or landscape.



### Frameless Anti-Microbial Aluminium Heating Panel Technical Specifications:

Power Rated:	350 Watt	500 Watt	800 Watt	1200 Watt
Voltage:	220/240	220/240	220/240	220/240
Amps:	1.59-1.46	2.27-2.08	3.63-3.33	5.45-5.00
Heating Coverage:	5.83-6.78m <sup>2</sup>	8.33-9.16m <sup>2</sup>	11.68-13.33m <sup>2</sup>	18.98-21.33m <sup>2</sup>
Temperature Range:	0/90°C	0/85°C	0/85°C	0/85°C
Overheat Protection:	120/130°C	120/130°C	120/130°C	120/130°C
kWh Per Annum:	635	1242	1438	2977
Weight:	5.2 Kg	7.1 Kg	10.8 Kg	13 Kg
Energy Transfer:	98%	98%	98%	98%

### Easy Install Cassette Technical Specifications With CAD Drawing and Dimensions:



Dimensions (Large): 390mm x 540mm x 20mm

Weight: 1.24 Kg

Dimensions (Small): 250mm x 250mm x 20mm

Weight: 0.79 Kg

PLEASE NOTE: Our easy install cassette cannot be installed on 600W, 70W panel models, outdoor heaters as well as older model panels with installation bars on the back.

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