



Aluminium Antimicrobial Frameless IR Panels

Infrared heating panels with Antimicrobial Coating provide a cleaner, safer heating solution for environments where hygiene is essential. The specialised surface finish actively inhibits the growth of bacteria and fungi, helping maintain higher cleanliness standards in hospitals, clinics, laboratories, and other sensitive spaces. These panels deliver gentle, even radiant warmth without circulating air, reducing dust movement and allergens while improving overall comfort. Built from durable aluminium with a long service life, they operate silently, require minimal maintenance, and integrate seamlessly into both wall- and ceiling-mounted installations.

ALUMINIUM ANTIMICROBIAL FRAMELESS INFRARED PANELS



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.

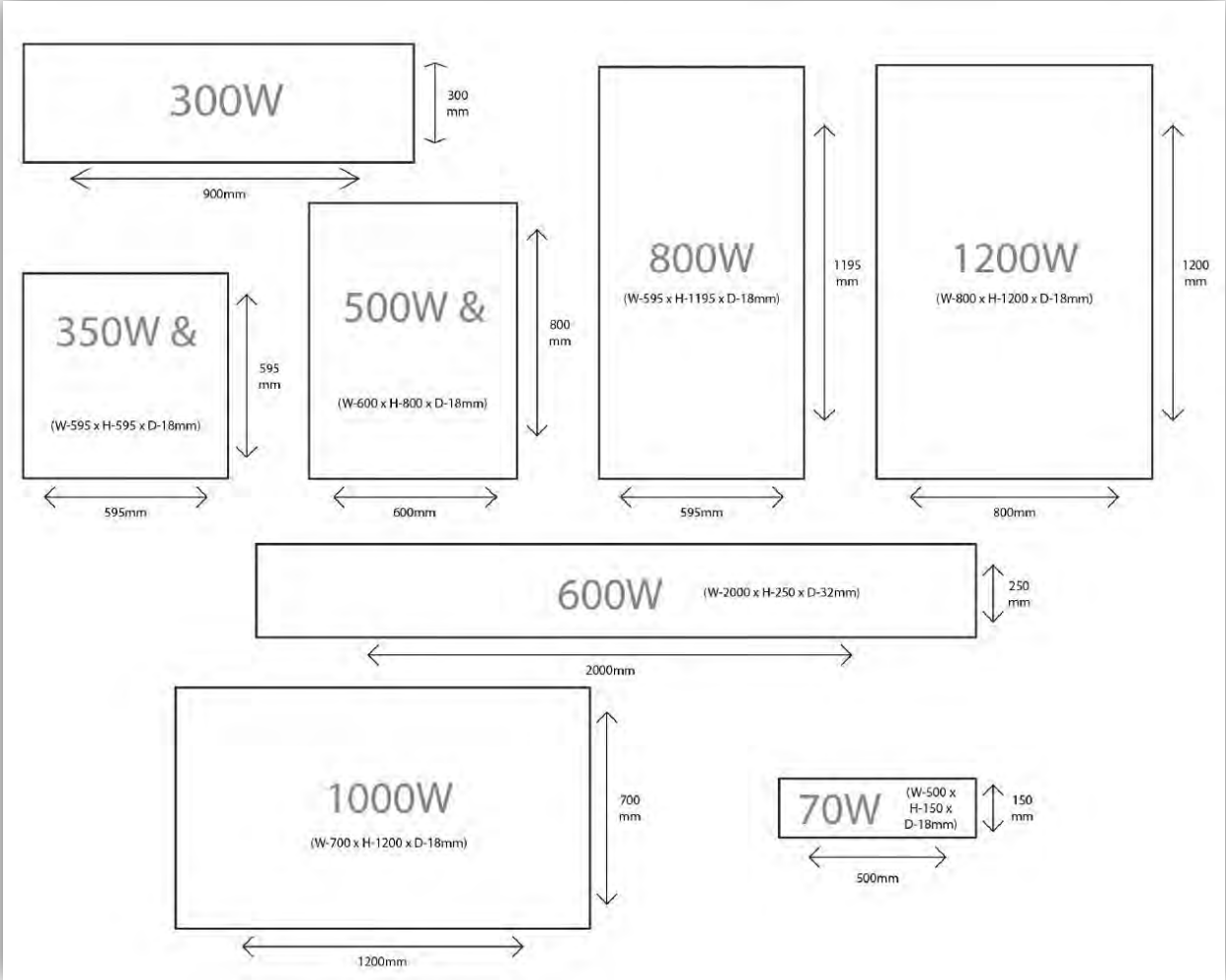


DNA Interference

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.

Power			300Watt	350Watt	500Watt	600Watt	800Watt	1000Watt	1200Watt
Size			30*90cm	59.5*59.5cm	59.5*80 cm	25*200cm	59.5*119.5	70*120cm	80*120cm
Surface Design	FramelessAluminium								
Heating Element	Carbon Firbe		Carbon	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon
Construction	Aluminium Folded		Frameless	Frameless	Frameless	Frameless	Frameless	Frameless	Frameless
Material	Aluminium		Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Coating	Antimicrobial		White/Black	White/Black	White/Black	White/Black	White/Black	White/Black	White/Black
Connection	1.9m eter Cable		1.9m eter Cable	1.9m eter Cable	1.9m eter Cable	1.9m eter Cable	1.9m eter Cable	1.9m eter Cable	1.9m eter Cable

CAD DRAWING ALUMINIUM ANTIMICROBIC PANELS



ALUMINIUM ANTIMICROBIC FRAMELESS TECHNICAL DATA

Service Life	20 Years		20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Warranty	10 Years		10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
IP Rating	IP41		IP41	IP41	IP41	IP41	IP41	IP41	IP41
Weight			4.92Kg	6.24Kg	7.94Kg	9.62Kg	11.22Kg	14.64	15.95Kg
Voltage	110/240VAC		110/240VAC	110/240VAC	110/240VAC	110/240VAC	110/240VAC	110/240VAC	110/240VAC
Surface Temperature	90/110°C		90/110°C	90/110°C	90/110°C	90/110°C	90/110°C	90/110°C	90/110°C
Energy Transfer	98%		98%	98%	98%	98%	98%	98%	98%
Heating Coverage	Square Meter		5.00	5.83	8.33	10.00	13.33	16.67	20.00
Overheat Protection	155°C		155°C	155°C	155°C	155°C	155°C	155°C	155°C
Fixing	Cassette/Chain/Sphinx-Fix		Sphinx-Fix	All	All	All	All	All	All