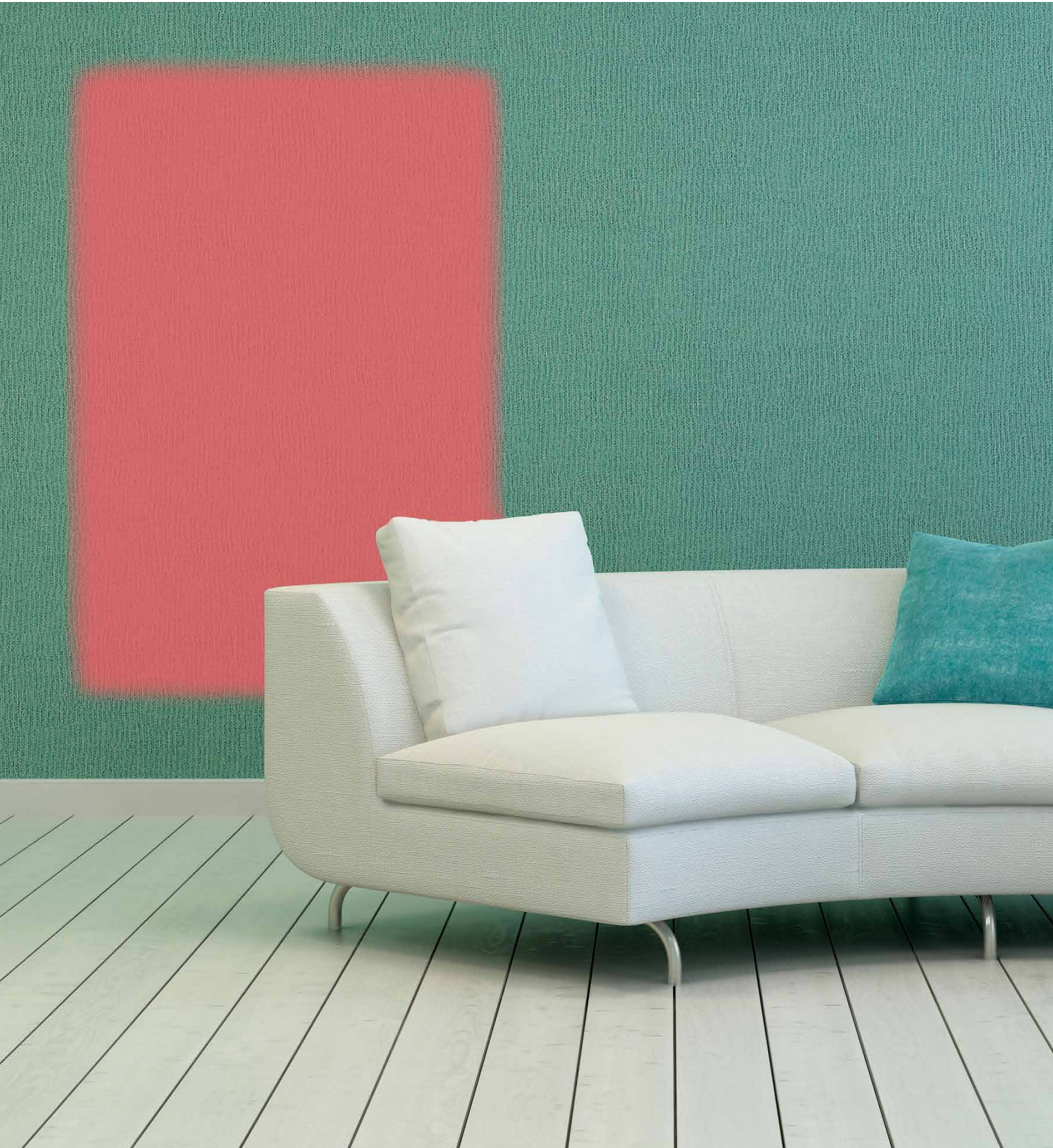


# EcoVolt CeP

CARBON PAINT HEATING SYSTEM



**ENERGY EFFICIENT PRODUCT OF THE YEAR**

THE EIFI ELECTRICAL INDUSTRY AWARDS 2018

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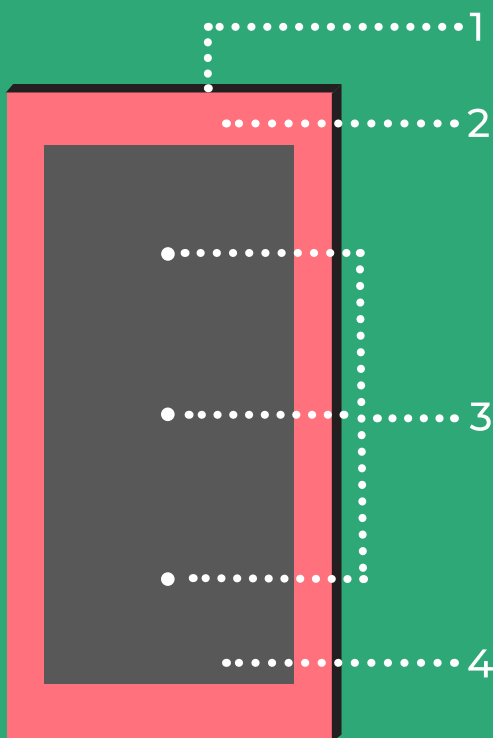
## WHAT IS ECOVOLT CEP?

EcoVolt CeP patent pending fabricated panels are designed to integrate seamlessly in to plasterboard system construction. Mounted on metal or wood partitions, the CeP panel is installed like industry standard plasterboards, with the exception of fitting screws to fix the electrodes. Once installed, 24V electrical connections can be made by using the CeP foil gripper system. A paper tape and joint or 4mm skimcoat finish is then applied before the final layer of water based decorative paint.

**EIFI**  
Electrical Industry  
Awards 2018



25<sup>th</sup> ANNIVERSARY  
**H&Vnews**  
AWARDS 2019  
HEADLINE SPONSOR  
WOLSELEY  
**HIGHLY COMMENDED**



- 1) Base primer      3) Screw fixings  
2) Heat radiation      4) Carbon electric paint

## PRE-FABRICATED INSTALLATION

The champion of new builds! Off site construction of the pre-fabricated heating system, integrated into the plasterboard means:

- Rapid build construction & super fast installation
- Nearly Zero Energy Building standard
- Solar PV compatible
- Low energy input for large surface heating area
- Lower labour and material costs

When the heating system arrives to the site, already embedded in plasterboard, it is installed just like a plasterboard.

Quick and easy to install, EcoVolt CeP saves money on expensive labour and material costs in comparison to other systems.

## CeP TECHNICAL SPECIFICATIONS

Product Code	Width (mm)	Length (mm)	Depth (mm)	Weight (kg)	Resistance (Ω)	Current (A)	Voltage (V)	Power (W)	ΔT
CeP175/fb 2 fixing holes	800	1200	12.5	10	3.3	1.3	24	175(+/-10%)	45C(+/-10%)
CeP350/fb2 6 fixing holes*	900	1800	12.5	16.5	1.65	14.5	24	350(+/-10%)	45C(+/-10%)
CeP350/fb3 6 fixing holes*	1200	2400	12.5	30	1.65	14.5	24	350(+/-10%)	45C(+/-10%)
CeP350/EN 3 fixing holes**	900	1800	12.5	16.5	1.65	14.5	24	350(+/-10%)	45C(+/-10%)

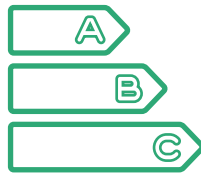
\*At 400 centres to suit UK and Ireland market. \*\* At 450 centres.

## WHAT ARE THE BENEFITS OF ECOVOLT CeP?



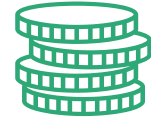
### UP TO 50 °C

High temperatures reached, with low voltage energy supply.



### ENERGY EFFICIENT

The system's transformer is specially optimised and wound to reduce heat loss.



### HEATING BILL SAVINGS

A more energy efficient heating system means cost savings on your heating bills.



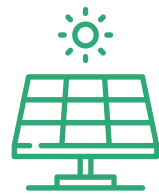
### NZEB COMPLIANT

Suitable for low energy buildings.



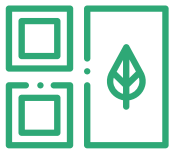
### QUICK TO HEAT UP

Once actioned, the system reacts instantly and heats in minutes.



### SOLAR POWER INTEGRATION

Easily integrated with solar powered energy supply.



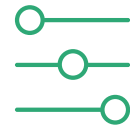
### AESTHETIC INTEGRATION

Invisible to the eye once painted over with a colour of your choice. Space saving solution.



### ZONAL HEATING SYSTEM

Allows heating in different zones of the house, at selected intervals.



### EASILY CONTROLLED

Using our easy EcoVolt CeP control unit, a digital PMW heat control system.



### SELV

Safety extra low voltage, AC or DC, safe to touch.



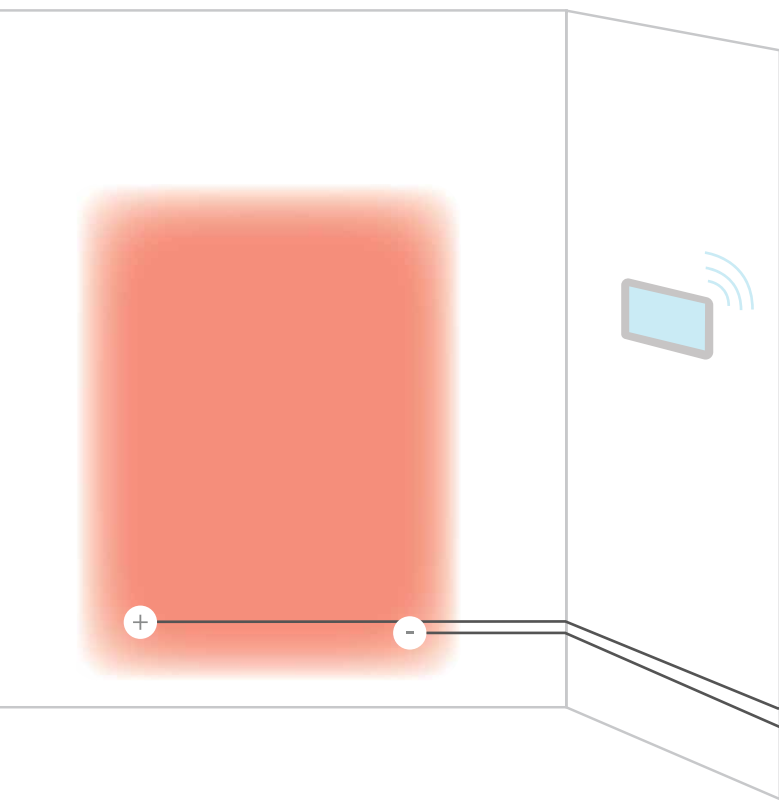
### UNIFORM HEAT DISSIPATION

Heat disperses evenly and thoroughly in a controlled zone.



### NO HOT SPOTS

No concentrated areas of high heat, safe to touch.



### KEY FACT OVERVIEW

- Heating Power of up to 350 Watt/m<sup>2</sup>
- Heating surface area 150 cm x 70cm
- Low voltage power supply: 24V AC
- Overheat protection for maximum safety
- Vertical or horizontal positioning

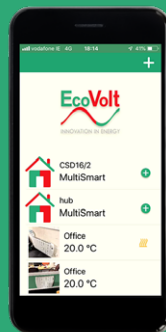
### BSRIA REPORT FINDINGS

EcoVolt CeP has been tested to the Irish NZEB standards by Global Testing Institute BSRIA. Testing consisted of placing the EcoVolt CeP into a chamber that can influence weather

and air conditions along with building fabric U-Values. The EcoVolt CeP panel used 45% less energy when installed under NZEB standards compared to a building built pre 2011.

### HEAT CONTROL AT YOUR FINGERTIPS

Zone - control your home heating with our award winning and easy to use heating control unit.



### CONTROL REMOTELY WITH OUR APP



The EcoVolt APP allows the control of each EcoVolt CeP panel through a mobile phone or tablet. Schedule your heating or change the temperature of different zones remotely.

The CSD16/2 central touchscreen control panel or EcoVolt Hub is required as the gateway to access the APP.



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