

osily<sup>c°</sup>  
heating



ELECTRIC HEATING

## OVERVIEW OF THE ELECTRIC RADIATORS RANGE



Our contemporary slimline design range of electric radiators spans from 500 watts to 2000 watts in output, covering the most popular requirements for UK rooms and thus offering an effective heating solution for every room in your home. Osily Heaters bring together premium materials at an affordable price to offer a radiator which is visually attractive, durable and above all else highly efficient and cost effective.

### Efficiency

The Osily heaters comprise of a ceramic core technology mineral compound which ensures an even dispersal of heat and excellent heat retention. There is no liquid content meaning risk of leaks is eliminated and the heaters are maintenance free and will not degrade over time like a conventional storage heater. The outside of the heaters are made from durable cast aluminium panels which provide efficient heat transfer. The panels are then powder coated which protects them from UV rays and thus stops discolouration from the sun.

Conventional storage heaters are known for leaving cold spots at ground level, scorching ceilings and also emitting a distinctive smell, all of which is eliminated with the Osily range.

Due to the highly efficient nature of the heaters we estimate an average draw of electricity for 3.5 hours per day during the heating season, in contrast to a minimum of 7 hours each day with a storage heater.

### Smart Controls

The heaters are easy to program and work on a thermostat meaning once set up they will adapt to the temperature of the room and don't require constant turning up and down like a conventional storage heater would. They also feature smart technology such as 'open window detection'.

Our radiators are SGS certified, thus demonstrating they are compliant with national and international regulations and standards. In addition, our manufacture partners have over 20 years' experience and are focused on quality and safety.

### Expected running costs

The actual running cost you experience will be unique to your house and your programme. Our expectation is that a radiator with a programme operating two temperatures, typical of standard use will draw less than 5 hours of power per day. This will be spread throughout the 24 hour period to maintain the desired temperature.

Our radiators are 100% efficient with no waste, so all electricity drawn is converted to heat. Remember that you will increase the running cost of your heating by 8% for every degree increase above 19 according to the energy savings trust. Make sure you set a comfortable temperature and let the control unit work.

### Things to take into account when selecting the radiator

Each of our radiators come with a ten-year warranty for the body parts and a two year warranty for the electrical components offering ultimate peace of mind when purchasing.

### Additional tag on items

If you have limited wall space, or you are on a tight budget and want to use one radiator in a number of rooms our wheel kit is an ideal option. Made from the same powder coated aluminium, they match the body work of your radiator and give a stable and secure base. The casters allow easy movement from space to space.



## OVERVIEW OF THE ELECTRIC RADIATORS RANGE

- Cast aluminum body:** Lightweight, strong and excellent dispersal of heat.
- Ceramic core:** Ceramic offers optimum heat transfer with even heat dispersal.
- Dual heating elements:** Two heating elements ensure rapid and even heat distribution.
- Digital control unit:** Programmable to ensure the optimum heating pattern for you, room by room, radiator by radiator.
- Accurate thermostat:** Our thermostat is accurate to 0.1 degree centigrade making the radiators extremely accurate and therefore efficient.
- Smart controls:** Every ecoHeat radiators has built in features such as open window detection to ensure no money is wasted. This is one of many smart features.
- Soft touch buttons:** Programming and interacting with your radiators is easy with the positive feedback from the soft touch buttons.

### Cast aluminum body

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By using cast aluminum for the body of our radiators we can ensure heat is distributed evenly across the entire radiator unit. Aluminum is widely used for dissipating heat quickly and efficiently whilst being light and strong. These qualities are why high grade cars often have aluminum engines while cheaper cars still utilise steel. Aluminum is also very good at resisting oxidation (rusting) which again means no risk of discolouring while in your home.

### Ceramic core

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Ceramic has many thermal qualities, one reason why it has been used in many high quality heaters. Ceramic offers maximum heat transference, meaning that while emitting heat the ceramic can also retain a core temperature. Why is this important? Simply the ceramic core will be better at maintaining a constant temperature because of its thermal transference.

### Dual heating elements

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Our twin heating elements are installed at equal distances directly into the ceramic core, which in turn is directly attached to the aluminum body of the radiator. This means from the moment heat is required the maximum surface area is creating heat to warm you room as quickly and efficiently as possible.





### **Digital control unit**

The electronic control unit is the brain of your radiator. You can control the desired heat for each 30 minute segment of every day. You have complete control of how your radiator works and as such you can make sure it works well for you. You can compose your own heating programme to perfectly match your routines. But we understand that sometimes things don't go to plan, so we've built in smart controls which make programmes easy to override should you need to.

Once your radiator has achieved the room temperature you set the radiator will automatically move from heating to maintain the temperature. Only a small percentage of the energy required to heat a room will be used to maintain the temperature. As such the radiator will draw only a small percentage of its energy capacity. This further reduces the overall heating cost to you.

### **Accurate thermostat**

Measuring the room temperature and responding to its changes is the most important job for your heating. As such, an accurate thermostat or thermistor is perhaps one of the most important components within the radiator. Our thermostat is accurate to 0.1 degree centigrade. With this level of accuracy linked directly into the digital control unit the radiator will respond to temperature changes quickly, optimising the consumption of electricity and minimising overheating and under heating.

To help you get the most out of your radiator we have designed some smart control features into each radiator. Should you open a window while the radiator is in operation your radiator will detect this sudden drop in temperature and temporarily stop the heating.

Additional functions such as holiday functions which allow a gap in your programme while your home is not occupied, temporary cancellation function should you unexpectedly leave and many others. By making our smart controls work around you, you can ensure that you maximise the efficiency of our heaters.

### **Soft touch buttons**

Programming and using many appliances can be difficult especially when you're unsure if the button pressed was registered by the device. With our soft touch buttons every user will feel the positive response.

## OVERVIEW OF THE ELECTRIC RADIATORS DIGITAL RANGE



Part Code	Wattage	BTU	Suitable to heat room size (m <sup>2</sup> )		Heater Height (mm)	Heater Width (mm)	Heater Length (mm)	Heater Weight (kg)	Number of Fins
			Room with poor insulation	Room with good insulation					
OSER500WD	500	1706	5	6	570	95	355	7.6	3
OSER750WD	750	2559	7	9	570	95	515	12.6	5
OSER1000WD	1000	3412	10	12	570	95	595	15.6	6
OSER1250WD	1250	4265	13	15	570	95	755	20.1	8
OSER1500WD	1500	5118	15	18	570	95	825	21.5	9
OSER1750WD	1750	5971	18	21	570	95	995	27.2	11
OSER2000WD	2000	6824	21	24	570	95	1075	28.5	12



Daily/weekly programming with consumption control monitor

Comfort, economic & anti-frost mode

Safety heat limiter - maximum heat control

2 years electronics warranty

Mounting kit, 1.8m cable & 3-pin plug included

Manufactured with cast aluminium conventional radiators

10 years body warranty

Class II Double Installation

# OVERVIEW OF THE ELECTRIC RADIATORS MANUAL RANGE



Part Code	Wattage	BTU	Suitable to heat room size (m <sup>2</sup> )		Heater Height (mm)	Heater Width (mm)	Heater Length (mm)	Heater Weight (kg)	Number of Fins
			Room with poor insulation	Room with good insulation					
OSER500WM	500	1706	5	6	570	95	355	7.6	3
OSER750WM	750	2559	7	9	570	95	515	12.6	5
OSER1000WM	1000	3412	10	12	570	95	595	15.6	6
OSER1250WM	1250	4265	13	15	570	95	755	20.1	8
OSER1500WM	1500	5118	15	18	570	95	825	21.5	9
OSER1750WM	1750	5971	18	21	570	95	995	27.2	11
OSER2000WM	2000	6824	21	24	570	95	1075	28.5	12



Simply select the temperature desired on the dial

Simple ON / OFF switch

Safety heat limiter - maximum heat control

Mounting kit, 1.8m cable & 3-pin plug included

Manufactured with cast aluminium conventional radiators

10 years body warranty

Class II Double Installation

## OVERVIEW OF THE THERMOSTAT TOWEL RAILS RANGE

Part Code	Wattage	Finish	BTU Rating	Bars	Height (mm)	Width (mm)
OSWL150T	150	White	448	12	700	400
OSCL150T	150	Chrome	448	12	700	400
OSWL300T	300	White	893	20	1200	550
OSCL300T	300	Chrome	893	20	1200	550
OSWL600T	600	White	1219	28	1600	550
OSCL600T	600	Chrome	1219	28	1600	550



All Osily Towel Rails are manufactured to EN60335-1/A13:2008 and EN60335-2-43:2008 for safety and peace of mind, plus built using quality components and procedures:

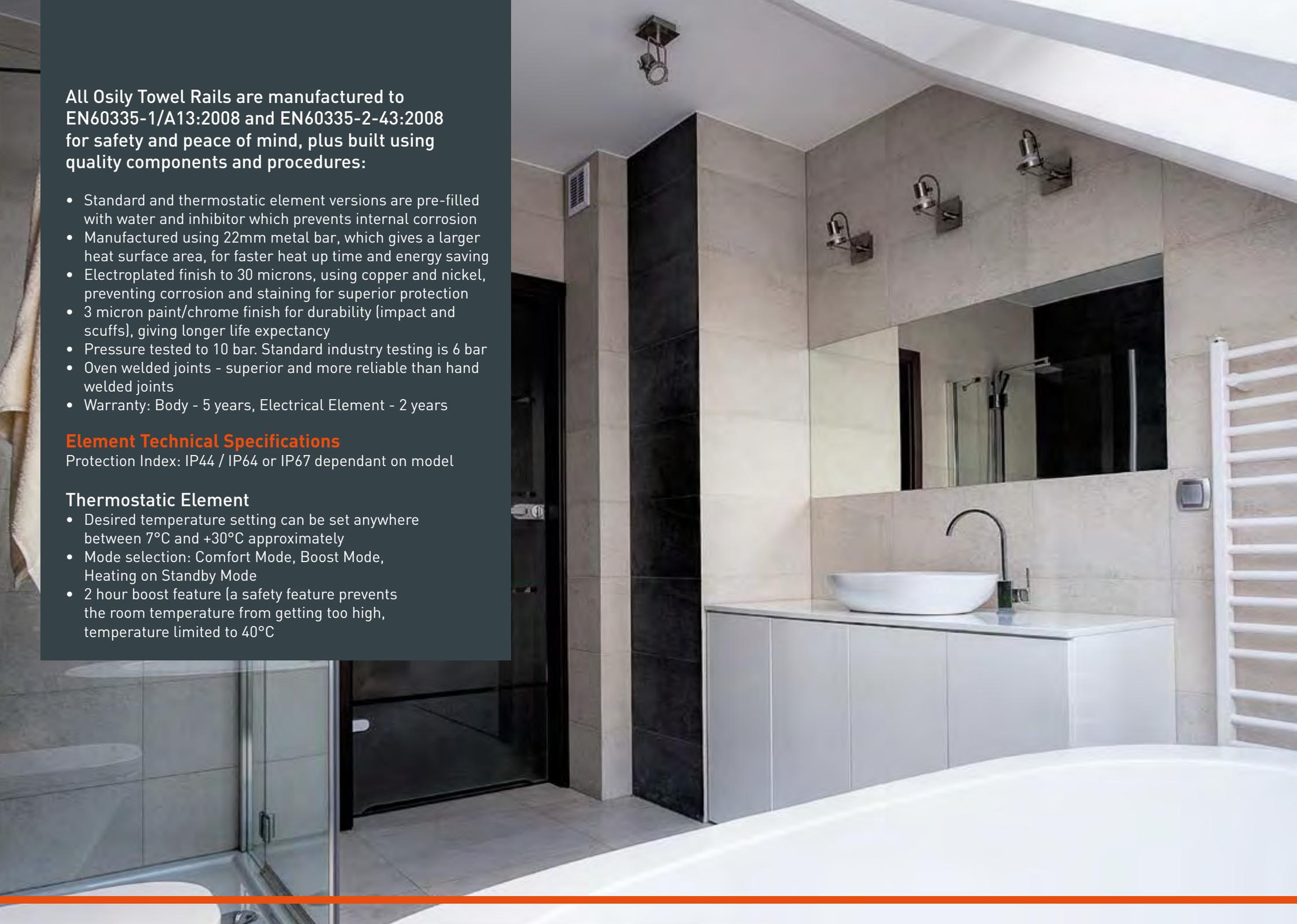
- Standard and thermostatic element versions are pre-filled with water and inhibitor which prevents internal corrosion
- Manufactured using 22mm metal bar, which gives a larger heat surface area, for faster heat up time and energy saving
- Electroplated finish to 30 microns, using copper and nickel, preventing corrosion and staining for superior protection
- 3 micron paint/chrome finish for durability (impact and scuffs), giving longer life expectancy
- Pressure tested to 10 bar. Standard industry testing is 6 bar
- Oven welded joints - superior and more reliable than hand welded joints
- Warranty: Body - 5 years, Electrical Element - 2 years

#### Element Technical Specifications

Protection Index: IP44 / IP64 or IP67 dependant on model

#### Thermostatic Element

- Desired temperature setting can be set anywhere between 7°C and +30°C approximately
- Mode selection: Comfort Mode, Boost Mode, Heating on Standby Mode
- 2 hour boost feature (a safety feature prevents the room temperature from getting too high, temperature limited to 40°C)



## OVERVIEW OF THE STANDARD TOWEL RAILS RANGE

Part Code	Wattage	Finish	BTU Rating	Bars	Height (mm)	Width (mm)
OSWL150S	150	White	584	12	700	400
OSCL150S	150	Chrome	584	12	700	400
OSWL300S	300	White	1164	20	1200	550
OSCL300S	300	Chrome	1164	20	1200	550
OSWL600S	600	White	1588	28	1600	550
OSCL600S	600	Chrome	1588	28	1600	550



All Osily Towel Rails are manufactured to EN60335-1/A13:2008 and EN60335-2-43:2008 for safety and peace of mind, plus built using quality components and procedures:

- Standard and thermostatic element versions are pre-filled with water and inhibitor which prevents internal corrosion
- Manufactured using 22mm metal bar, which gives a larger heat surface area, for faster heat up time and energy saving
- Electroplated finish to 30 microns, using copper and nickel, preventing corrosion and staining for superior protection
- 3 micron paint/chrome finish for durability (impact and scuffs), giving longer life expectancy
- Pressure tested to 10 bar. Standard industry testing is 6 bar
- Oven welded joints - superior and more reliable than hand welded joints
- Warranty: Body - 5 years, Electrical Element - 2 years

### Element Technical Specifications

Protection Index: IP44 / IP64 or IP67 dependant on model

### PTC Standard Element

- PTC means "Positive Temperature Coefficient" and characterises the electrical behaviour of the semiconductor heater segment this is the base component of the heating element
- When the optimum temperature has been achieved the resistance of the PTC element rises instantaneously and reduces automatically the power output generating the so called "self-limiting" effect









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