

## Simple Installation:

- Lay the mirror face down on a protective surface.
- Make sure the back of the mirror is clean and free from grease and residues.
- Mark the back of the mirror where the heater is to be positioned. The heater should be at least 10 mm from the edges of the mirror.
- Peel back the protective release paper from one corner of the mirror heater. Position this corner in the required corner of the marked area and slowly peel back the release paper whilst applying gentle pressure to remove air bubbles.
- The Warmup® Mirror Demister must be connected to a lighting circuit or to an electrical circuit through a separate 5 amp switch. The installation must be in accordance with regulations.



(Detailed instructions inside)

Register your product online at [www.warmup.co.uk](http://www.warmup.co.uk)

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V0211

# Warmup®

## Installation Guidelines:

# Mirror Demister



Complete and submit the warranty form online at [www.warmup.co.uk](http://www.warmup.co.uk)

### IMPORTANT

Read this manual before attempting to install your heater. Incorrect installation could damage the heater and will invalidate your warranty.



IP57

The Warmup® Mirror Demister is designed to warm bathroom mirrors, leaving them clear and free of condensation.

Four sizes of heaters are available - two rectangular versions (450mm X 400mm and 600mm X 1100mm), a circular (600mm diameter) and a square (290mm X 290mm); all 220-240 Volts.

The heaters are self adhesive, have an IP rating of 57 and are SEMKO certified.

The mirror used in the application must be suitable for purpose and the instructions provided by the mirror supplier must be adhered to.

If at anytime the heater is damaged, please contact the Warmup Technical Helpline on 0845 345 2288.

Model	Size	Voltage	Amperage	Resistance	Wattage
WMD1	400mm X 450mm	230	0.08	2939	18
WMD2	600mm circular	230	0.24	960	55
WMD3	290mm X 290mm	230	0.12	1959	27
WMD4	600mm X 1100mm	230	0.57	401	132

NOTE: When testing the resistance of the mirror demister allow a  $\pm 10\%$  tolerance for pads above 25w and +20% for pads below 25w.

## Installation Guidelines

It is important that heaters are checked for damage before installation to ensure that the metallic filament has not been creased and that the protective film has not been pierced. The size must also be checked to ensure that it will fit on the mirror with a minimum 10mm gap between the film edge and the mirror edge. The demister must NOT be visible after installation.

The mirror to be used in the application must be suitable for the purpose. The mirror must be completely flat and free of stress and crack lines. NO accessories or other materials should be adhered or fixed to mirror surface as this can create uneven temperatures and stress upon the mirror.

The Warmup® demister must be mounted directly on to the reverse side of the mirror OR onto a surface which is in direct contact with the mirror. The demister is self-adhesive, NO other adhesives should be used.

The mirror must be installed on to a wall which is sound, has a flat and level surface, which is free of moisture. The wall must also be capable of bearing the weight of the mirror. The mirror must be fixed completely flat to the wall to prevent stress to the mirror and in accordance with the manufacturer's instructions, using suitable fixings. Mechanical fixings must NOT pierce or touch the demister OR create undue stress on the mirror or demister due to over tightening. If the demister is to be adhered to the wall the complete surface of the mirror back and demister must be coated with the adhesive.

ALL the installed components of the Warmup® demister including the wiring must be protected and covered so as to be inaccessible after installation, in compliance with national safety standards.

The Warmup® demister comes with a one meter power supply cable. This cable can be extended if required using suitable connectors and a correctly rated cable.

### Warranty

The product is guaranteed for 12 months. The guarantee does not affect your statutory rights.

Warmup PLC cannot be held responsible for damage or repairs required as a consequence of faulty installation or application OR due to the use of components or accessories which are not compatible with this unit.

Please keep your receipt as proof of purchase.

**Register your product online at [www.warmup.co.uk](http://www.warmup.co.uk)**

## Fitting Instructions

**IMPORTANT: The film should be applied slowly in a constant motion as the adhesive protective cover is removed. The protective cover should NEVER be completely removed before applying the heater to the mirror. The heater should not be creased OR folded at any time. Ensure no air bubbles are trapped under the film surface.**

1. Mark the location of the demister on the back of the mirror.
2. Peel the adhesive protective cover away from one corner and place at the corner of the area to be covered.
3. Continue to slowly peel the adhesive protective cover off the film surface, applying firm, even pressure to adhere the film to the surface as the adhesive protective cover is removed.  
(ensure no air bubbles are trapped at any time)
4. Once the heater is adhered to the mirror surface, locate the connector block adhered to the mirror and measure its position relative to the mirror edges.
5. Cut a recess in the wall where the measured location of the demister power cable connector will be sited, so as to allow the mirror to be adhered flush against the wall surface.
6. Feed or recess power cables to point of connection as required.
7. Affix mirror to wall using suitable fixings / adhesive as per the mirror manufacturer's guidelines, ensuring that no cables or connector are trapped behind the mirror which cause the mirror to be stressed or sit unevenly on the wall.

Final connections should be made by a Part P certified electrician.

## Electrical Considerations

As with all electrical projects governed by Part P regulations, all mains electrical connections must be undertaken by a certified electrician. All work must be carried out in accordance with the IEE wiring regulations to BS7671 or national regulations.

The Warmup® mirror demister must be connected to a lighting circuit, with a maximum 5 amp fuse of circuit breaker in the distribution board/consumer unit.

The heater can either be connected directly to a switched light circuit, which will turn on the heater when the light is switched on OR via a separate switch connected to the main lighting circuit.

If more than one demister is to be installed, ensure that they DO NOT overlap and that the edges are at least 5mm apart.

The wiring MUST be in parallel, DO NOT connect in series. The power rating of the circuit should also be checked to determine that the heaters will NOT overload the lighting circuit.

Any metal parts which are accessible and are in contact with the mirror must be earthed / grounded in compliance with BS7671 or national regulations.