HEATEL electrical heating

Heatel BV - Electrical Heating

Leehove 97
2678 MB De Lier - Netherlands
Phone: 0031 (0)174 38 63 61
E-mail: info@heatel.nl

Manual Clear Mirror

Attention

- Before installing the Clear Mirror heating element, make sure you carefully read the installation guidelines.
- Consult a licensed electrician if you have any doubts about connecting the element to the mains power.
- **Never trim or cut the element to resize it, and never cut into it.**
- **If the element should become damaged, it is no longer usable.**

General

- The Clear Mirror heating element prevents water vapour from condensing on the front side of the mirror.
- The Clear Mirror heating element provides heat due to its electric resistance and should be glued to the backside of the mirror; it will raise the temperature of the glass in just a few minutes.
- A mirror with a heating element can be connected directly to any 230 V power source available.
- The Clear Mirror heating element functions comfortably, invisibly and safely and guarantees a clear view of the mirror in a damp environment.

Applications

- The Clear Mirror heating element can be used wherever condensation on the mirror can cause problems, for example in residential applications, commercial and industrial applications, hotels, cafés and restaurants, hospitals, and fitness & sports centres.

Benefits

- The Clear Mirror heating element prevents the condensation of water vapour on the front side of the mirror.
- The Clear Mirror heating element provides increased comfort for a low price.
- The Clear Mirror heating element is very safe.
- The Clear Mirror heating element is especially designed for use in damp areas and is therefore not sensitive to moisture, splashing water etc.
- The Clear Mirror heating element reduces the frequency with which a mirror must be cleaned, as it no longer clouds over due to condensation.

Attention points

- The Clear Mirror heating element is usually connected to the lighting system, which means that it is switched on together with the light. Of course, you can also connect the mirror heating element via a separate switch.
- All metal parts near the mirror should be grounded.
- **The element should never be trimmed or cut into.**
- **If the element should become damaged, then it is no longer usable.**
- **If the power feeder cable becomes damaged, the element must be destroyed.**
- **The element should never be folded.**
- **If the mirror becomes broken, the element may no longer be used.**
- The electrical installation must be carried out in accordance with the applicable national regulations.

HEATEL electrical heating

Heatel BV - Electrical Heating

Leehove 97
2678 MB De Lier - Netherlands
Phone: 0031 (0)174 38 63 61
E-mail: info@heatel.nl

Installation instructions

The Clear Mirror heating elements are available in four different models:

Article nr.	size l x h	wattage / voltage
- 14001	274 x 274	12,5 W/230V.
- 14002	524 x 524	50 W/230V.
- 14003	1024 x 524	100 W/230V.
- 14004	274 x 574	26 W/230V

The Clear Mirror heating elements comply with CE guidelines as well as the European Standard EN60335-1. Class II IPX4. 230V 50Hz. The mirror heating elements also have the following mark of approval: KEMA KEUR

Mounting the Clear Mirror heating element to the back side of the mirror:

- Place the mirror on a flat, clean and soft underground.
- Clean the back side of the mirror with a dry, clean cloth and use cleaning lotion (see illustration 1).
- Use a pencil to draw the position of the element you will be mounting, and make sure that the heating element's feeder cable is pointed in a direction convenient for plugging it into the mains power.
- Remove the paper backing from the layer of glue (see illustration 2).
- Place the mirror heating element on the mirror inside the lines you have drawn. Never press the element into the mirror at one go, as this would result in air bubbles being formed. Instead, place one edge of the heating element on the mirror while leaving the other edge free, and then slowly press the element onto the mirror going from one side to the other while maintaining an even pressure on the mirror (see illustration 3).
- **Attention!** Once you have glued the element onto the mirror, you can no longer make any corrections.
- Connect the mirror heating element to the lighting system mains power (see illustration 4), and put the mirror back in its place.

Illustration 1.

Illustration 2.

Illustration 3.

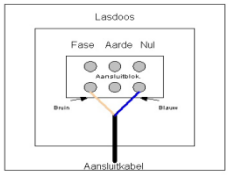

Illustration 4.