



# ULTRA-FLAT PVC HEATING MATS

## NATURAL WARM

Alper PVC heating mats are produced using the PET heating foils encapsulated between two electrically welded PVC sheets by means of a high frequency process. The overall thickness of the heating element is about 2mm and gives the product a remarkable strength and durability. They are used in various fields of application such as in gardening where they are widely used in the development of the roots of plants and flowers during the winter, in the heating of small animals and in some industrial processes.

Use with the regulation thermostat, fuses and temperature limiters is possible.

The continuous search for new production techniques has allowed Alper to make production capacity and the development of new products according to customer specifications extremely flexible.

Therefore, Alper can also produce special batches in small quantities.

### CHARACTERISTICS

- Maximum dimensions: 1000x600mm (various sizes available on request).
- Power and supply voltages on request.
- Very good temperature uniformity.
- Various thermal protections available, such as thermal fuses, thermal protectors, probes and sensors.
- Use of black PVC, other colors available on request.
- Suitable for use in humid environments and resistant to temporary immersion, IP67 degree.
- Wiring on customer specification.
- Construction in class I, II, III
- 110/230/240V supply voltages and 12/24V safety low voltage.
- Customer specific design.
- Temperature: Min: -10 °C  
Max: + 60 °C (for short periods)
- Excellent resistance to sunlight (Cat 5)
- UV resistant
- Custom printing on PVC surface
- Construction according to directive 2014/35/UE  
Test according to EN 60335-1 and EN 50106
- S.I. 2016 No. 1101 (Electrical Equipment (Safety) Regulations 2016)  
BS EN 60335-1, BS EN 50106

