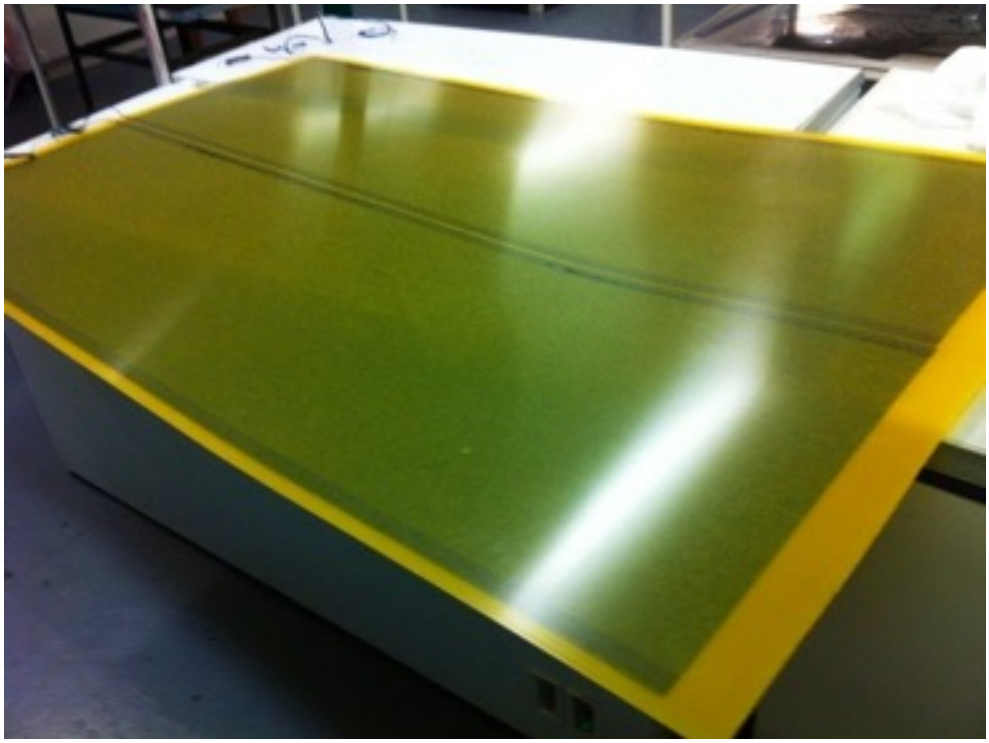
LaminaHeat
Putting heat where it is needed

# PowerPanel

## Data Sheet

***PowerPanel - All the power you need is inside this composite heating panel!***

- **Entire surface heats up at the same time.**
- **Ideal product to turn a cold press immediately into a hot press**
- **Designed to b**
- **e attached to a hard surface**
- **Heat up rates 0-30°C/min**
- **Can generate up to 13 kW/m² or 8 Watt/inch²**
- **High Gloss or matt finish**
- **embedded in a high performance tooling Epoxy/ Glass Prepreg**
- **Specific design on demand**
- **up to 180 °C or 350 °F**



LH ***PowerFilm*** is embedded in a woven glass fiber fabric impregnated with a tooling style quality epoxy resin to provide a robust and rigid surface.

This provides a heater with high mechanical properties combined with excellent electrical insulation at high operating temperatures. Can easily be bonded to a metal surface to create a Heating platen at very economical cost.

LH ***PowerFilm*** comes in a gloss and matt finish. However special surface finishes can be applied at special request. Additional surface coatings such as Teflon films can be applied to either side to improve chemical resistance and for easy de-molding.

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**Data Sheet** *March 2015*

Properties of PowerPanel

| **Dimensional properties** | | | | |
|---|---|---|---|---|
| Total length | *mm* | 1,370 | 2,540 | 3,150 |
| Heating length | *mm* | 1,220 | 2,440 | 3,050 |
| Total width | *mm* | 1,320 | 1,370 | 1,370 |
| Heating width | *mm* | 1,220 | 1,220 | 1,220 |
| Qty of heating zones | | 2 | 3 | 4 |

| **Encapsulating matrix** | | |
|---|---|---|
| | Temperature max. | |
| Epoxy / Fiber Glass | 180°C | 356°F |

| **Electrical properties** | | | |
|---|---|---|---|
| Resistance | *Ω/m²* | 8 | 20 |
| Range of use | *Volt* | 0-120 vDC & 0-400 vAC | |
| Power | *kW/m²* | 13.4 | 5.3 |

For more information:

email: **info@laminaheat.com**

website: **www.laminaheat.com**