www.lmkthermosafe.co.uk
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THERMOSAFE LTD

Industrial Heating Technology
for drums IBCs totes & containers

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Curing Composites, Resins & Laminates

LMK Thermosafe Ltd have been manufacturing Induction Drum Heaters using specialist chemically resistant resins for over 30 years, so are very familiar with the technical challenges of delivering high quality finished GRP products for use in harsh environments. The signature orange base colour of the induction coil encapsulating shell is finished with a gloss gel coat layer. This must withstand the heat generated by the system when in use, plus splashes of hot liquids being removed from the 123ºC heated drum, or direct jets of water if the area of use is being hosed down for any reason. Eliminating styrene is therefore an essential element of the manufacturing process.



Thermosafe® Heaters in use during resin manufacturing

The marine and aeronautical industries use fibre reinforced resins, laminates and gelcoats in many applications where durability, finish and quality go hand in hand. Our flexible heating jackets have been utilised for surface curing during product assembly and where any post-production work results in the need for re-finishing.

Surface treatment of luxury boat hull using flexible jackets



Applications vary from insurance quality repairs to luxury yachts, through surface curing of wind turbine blades during manufacture and re-finishing of blade tips during maintenance.

Composite structures assembled in the construction of commercial and military aircraft often require surface heating. The high density insulation used throughout our products ensures a very evenly distributed heat is delivered, and the flexibility of the jacket permits uneven surface to be thoroughly cured. Sensors can be embedded where necessary for logging.

We manufacture custom sizes and shapes, so with your drawings, images and temperature requirements we would be pleased to work out a solution and pricing without obligation.



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