

HOLROYD

BESPOKE SURFACE HEATING ELEMENTS

APPLICATIONS:

Holroyd supply silicone Wire Wound heaters for a multitude of applications including industrial catering, battery warming, telecommunications, laboratory equipment, snow melting, anti condensation and GRP pipe curing systems. The uses for Wire Wound heaters are extensive as they can suit many applications requiring surface heating up to 250°C. Manufactured to customer specifications they can be made in a wide range of shapes and sizes. Using robust materials and uniquely designed elements Wire Wound heaters are ideal for applications where high flexibility and durability is required.

MAIN POINTS:

- Wire Wound Technology
- Precise Even Heating
- Flexible & Lightweight
- Moisture & Chemical Resistant
- IP64 or IP65 Protection
- Wide Temperature Range -60°C to 250°C
- UL & VDE Approval Available
- Adhesive Backing Option
- Bespoke Design
- Variety of Materials Including High-Temperature
- Low Smoke & Low Toxicity Options Available
- Low Set Up Costs



QUALITY



RELIABILITY



CREATIVITY



SERVICE



COMMUNITY

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CONSTRUCTION:

Using evenly spaced resistance wires laminated between sheets of silicone rubber, Wire Wound heater mats are ideal for prototyping or problem solving applications. These heaters can be manufactured to Double Insulated and IP65 Construction.

CHARACTERISTICS:

Wire Wound heaters have good resistance to the following; weather & ageing, fungus & bacteria, acetone, alcohol, formic acid, brake fluid, acetic acid, greases, hydrochloric acid 10%, sulphuric Acid 10%, waxes and plasticisers. In addition to this the heaters have adequate gas permeability and good steam resistance up 130°C and 2.5 Bar respectively.

HEALTH & SAFETY:

Wire Wound heaters are intended for use in industrial electric apparatus. They correspond to the BS EN 60335-1:2012. The heater has to be operated in accordance with these standard and regulations and should be installed on an electrical system protected by a residual current circuit breaker.

TECHNICAL DATA

MAXIMUM DIMENSIONS	Width - 940mm Length - 3000mm
THICKNESSES	1.1mm - 3.0mm
TEMPERATURE RANGES	-60°C - 250°C (Non Adhesive) -30°C - 180°C (Self Adhesive)
POWER RATING	Variable (Dependant on application)
THERMAL CONDUCTIVITY	0.22 (Watt/Metre/K)

	KAPTON	SILICONE WIRE WOUND	SILICONE ETCHED FOIL
TEMPERATURE RANGE	-40°C to 200°C	-60°C to 250°C	-60°C to 200°C
THICKNESS RANGE	0.2mm to 0.3mm	1.1mm to 3mm	0.8mm to 1.5mm
MAXIMUM POSSIBLE SIZE	285mm x 700mm	940mm x 3000mm	595mm x 2500mm
UL & VDE APPROVAL AVAILABLE		✓	✓
SUITABLE FOR HIGH QUANTITY	✓		✓
LOW SMOKE LOW TOXICITY AVAILABLE		✓	✓