

**Temprite Industries Limited**

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■ For more than 25 years, Temprite has been a pioneer in the design, engineering and production of heating and ventilation equipment for industrial applications. Today, the company manufactures catalytic and thermal incinerators, industrial process heating equipment, heat recovery systems and the XCELL™ heat exchanger.

The XCELL™ consists of modularized groups of channels, each of which is made up of an exhaust air duct and supply air duct. The duct spacing and the number of channels determine the efficiency and pressure drop through the cell. Constructed of aluminum or stainless steel for applications in corrosive environments, the XCELL™ has a capacity of up to 50 000 CFM.

The Temprite direct and indirect-fired oil or natural gas air-handling units are designed to bring up to 100 000 CFM

of preheated, clean, fresh air into the workplace. They are engineered for efficiency, reliability, economy and low maintenance.

With energy-saving efficiency, Temprite's thermal and catalytic incinerators effectively remove the contaminants from industrial gaseous emissions. The addition of one or more XCELL™ heat exchangers enables the heat generated by oxidation of the contaminants to be recovered and recycled.

Every Temprite installation is customized to meet the exact requirements of the specific industrial application.

**Thermofilm Corporation**

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■ Thermofilm manufactures non-metallic electric panel heating elements, based on innovative polymer technology.

The Thermofilm elements contain no wires or metal resistors. Instead, a unique mixture of graphite and carbon, utilizing polytetrafluorethylene as binder, is sintered into special glass cloth. Tinned copper contact tapes are applied along each edge of the cloth strip for application of supply voltage. The element is usually bonded between layers of a high-dielectric polyester film. The result is a unique thin heating film suitable for a wide range of applications.

The Thermofilm element offers such unique advantages as uniform heat output over its entire surface; performance that is not affected by cuts, puncture or tears; flexibility; and safety for operation up to 200°C (392°F). Thermofilm elements, available in sizes up to 99 cm (39 in.) wide and 229 m (750 ft.) long, can be used with any AC or DC power source up to 600 V.

Thermofilm elements are used in space heating, air heaters, heat tracing in industrial processes, dryers, heat presses, laminators, greenhouses, ice and snow melting, as well as in a wide variety of consumer products.



The HRX 25 is a 20 000 SCFM heat-recovery unit with a direct-fired gas burner; the heat exchanger is an aluminum plate type design that recovers 68 per cent of the exhaust air energy for preheating the incoming fresh air.



The Thermofilm electric panel heating elements.