



**Milwaukee
Composites**
Designed for Life



Heated Floors

Milwaukee Composites, Inc. (MCI) is a leading global supplier of advanced phenolic composite panels to the transit industry. With over 25 years of proven experience supplying light weight, maintenance free non-heated floors, MCI is supplying a heated floor solution that delivers the same benefits. MCI has developed a heater element that can be molded into the top skin of our standard floor panel to provide a robust system that can eliminate the sidewall heaters. MCI's heated floor system works in combination with a control system to continuously regulate floor temperatures to ensure passenger comfort and safety. MCI's heated floors contain temperature sensors that provide feedback to the control unit which applies voltage to the floor panels as required. MCI's "Distributed Power" approach allows for independent temperature control of each panel, or zone of panels, to precisely control the temperature in that region regardless of changes in load or conditions for optimal comfort. The floor panels are designed for optimal power draw to overcome thermal losses which allows for a dynamic response to conditions such as doors opening or passenger density without over-compensating the adjacent area.

MCI's heated floor panels work in conjunction with an "Intelligent" Control and Protection System which is designed to be in compliance with IEEE Std 16 where all components are either UL and/or CE certified. For operational control, the floor control system contains Solid State Relays that are activated from the output of the Programmable Logic Controller. The control system has safety provisions for overcurrent, leaking current and ground fault detection.

- * Maintenance Free
- * Superior Fire Safety
- * Moisture Resistant
- * Light Weight

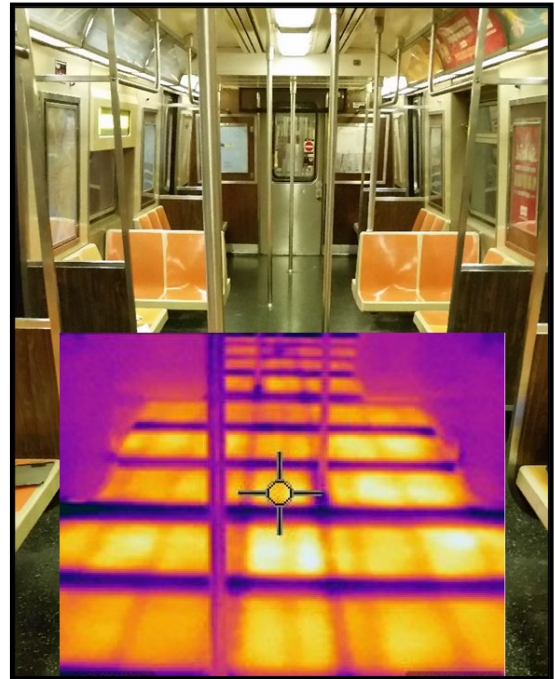
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PROVIDING THE MOST ADVANCED PHENOLIC COMPOSITE PANELS WORLDWIDE ...



KEY ADVANTAGES

- **Energy Savings from Weight Savings (Extremely Light Weight)**
- **Meets All Fire Safety Requirements**
- **Increased Passenger Comfort and Safety**
- **Maintenance Free: Budgets Can Be Reallocated**
- **Moisture Resistant: Panel Construction is Not Adversely Affected by Water**
- **Parts Consolidation: Removal of Bulky and Unsafe Side Wall Heaters**
- **The Manufacturing Process Provides No Delamination**
- **Extremely Durable**