



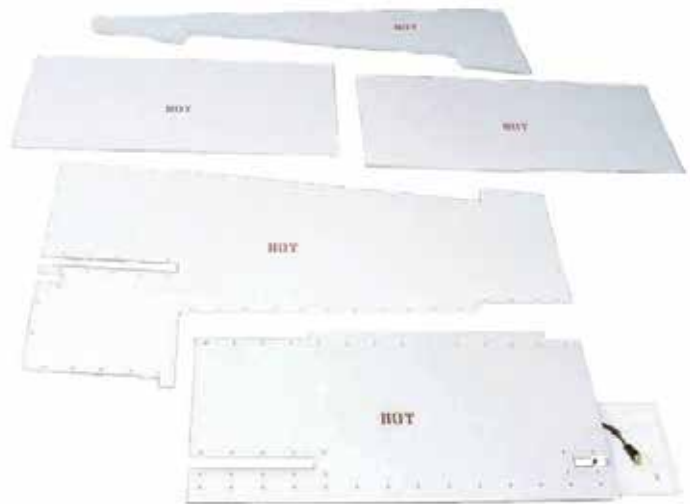
Heated Floor Panels

Airbus A318/319/320/321, A330/340, A380 and Boeing 787-8, -9 and -10

Heated floor panels provide heat in cabin areas susceptible to cold for passenger and crew comfort. Heating elements with over-temperature protection and tailored power density are designed to provide the appropriate amount of heating in any condition.

Features & Benefits

- Counteracts aircraft structure cold soak effects in the cabin
- Compensates for draft effects due to air leakage in door areas
- Greatly enhances passenger and crew comfort
- Uniform heat distribution in challenging environments
- Easily integrated into existing floor panel design
- Can be used with various floor coverings/treatments



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UTC Aerospace Systems

For additional information:

1555 Corporate Woods Parkway, Uniontown, OH 44685 U.S.A.
Tel: +1 800 DE-ICERS (800 334 2377)
Fax: +1 330 374 2290
deicers@utas.utc.com

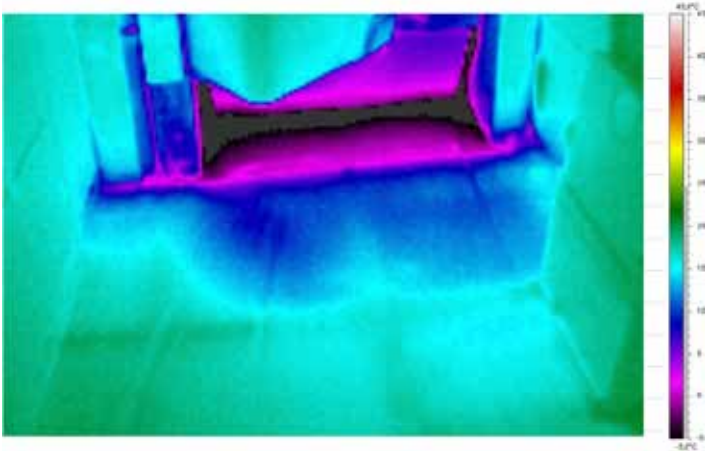
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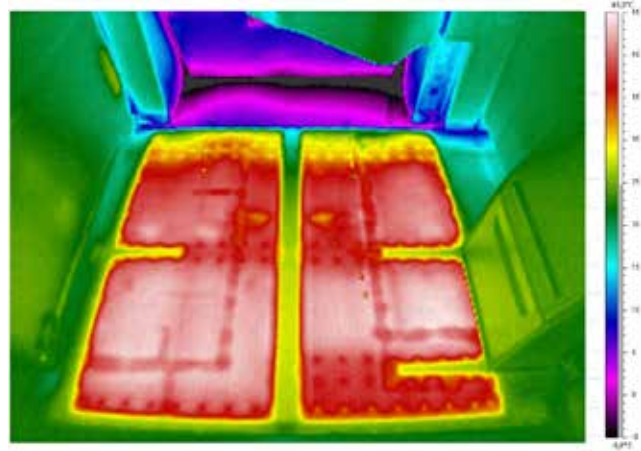


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Unheated



Heated

General Specifications

Floor-Setting Temperature (Surface)	104°F to 115°F / 40°C to 46°C
Power Density (typical)	0.40 watts/in ² / 620 watts/m ² at 115 VAC
Weight	Unheated panel + 2.3 kg/m ² Controller 0.4 kg

Construction

The structural lay out of a heated panel is similar to that of an unheated floor panel. The heated panels, however, feature a heating element that is temperature controlled and protected against overheating. For mechanical protection, the heaters are shielded by a thin titanium or composite skin making them resistant to spills and impacts.

Development testing

Heated floor panels have been tested against a wide variety of harsh mechanical, electrical and environmental requirements. Heated floor panels are an integral part of the load bearing passenger cabin floor. Focus was given to high quality performance in challenging environments at high and low temperatures while simulating air drafts both above the panel in the cabin as well as below in the cargo compartment.

Temperature control

UTC Aerospace Systems offers on-panel controllers with electric fault protection. Alternatively, heated floor panels can be controlled externally with a central aircraft unit.

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