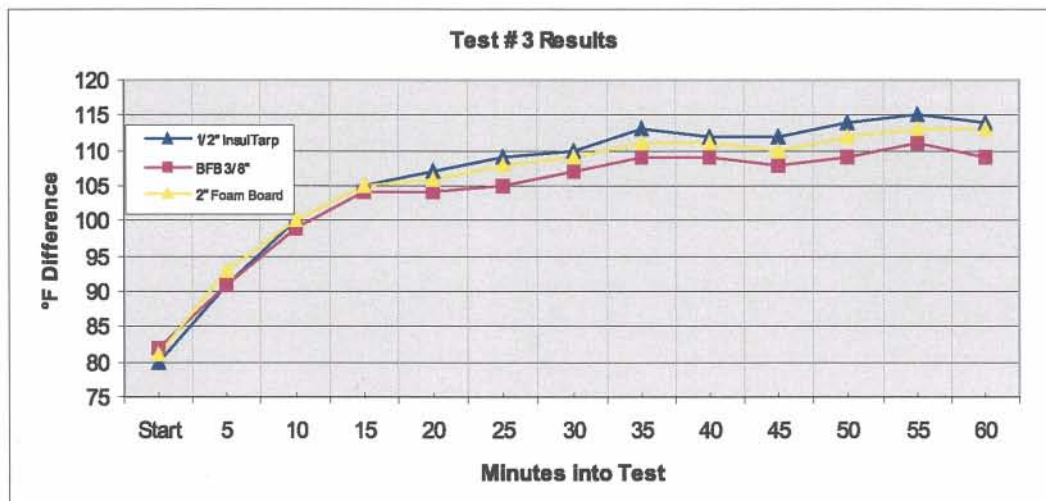


### Insul-Tarp® Lab Test Evaluation 3 Insul-Tarp® vs. Bubble-Foil-Bubble vs. 2" Foam Board R-10

#### Description

Three tests were conducted to evaluate the effectiveness of **Insul-Tarp®** vs. 2 other insulation materials, 3/8" Bubble-Foil-Bubble insulation and 2" Foam Board insulation. The tests were conducted using (3) 11" x 13" test boxes. The test boxes were built using ceramic tile (3/8"), sand, insulation and Raytec-Heat Blanket. Each test box was started at approximately 80° F, then allowed to operate for 60 minutes. The temperature thermocouple was located directly on the ceramic tile surface, measuring the actual surface temperature of the floor material.



#### Lab Test Results

TEST	Avg. °F Surface Temp. *	Advantage of Insul-tarp vs. Foam Board
Insul-Tarp Insulation	112.86	61.9% Warmer when comparing both to Bubble-Foil-Bubble
Bubble-Foil-Bubble	108.36	
2" Foam Board	111.14	

\* After 30 minutes stabilization period.

#### Conclusions:

Upon stabilization of the test box (~30 minutes) the **Insul-Tarp®** insulation blanket provides a warmer surface temperature than either the bubble-foil-bubble or the 2" Foam Board. This will increase comfort of the space as well as reduce energy costs. When comparing the surface temperature of the **Insul-Tarp®** to the Foam Board against the Bubble-Foil-Bubble temperature, **Insul-Tarp®** Insulation provides a 61.9% warmer surface temperature than Foam Board.

**Insul-Tarp® Lab Test Evaluation 3**  
**Insul-Tarp® vs. Bubble-Foil-Bubble vs. 2" Foam Board**

**LAB TEST EVALUATION #3**  
**(Insul-Tarp vs. 2" Foam Board vs. Bubble-Foil-Bubble)**

