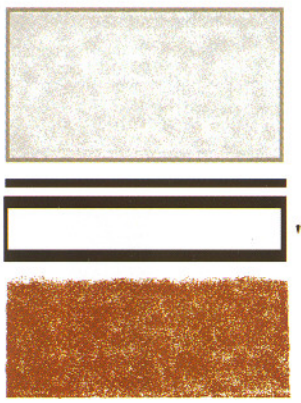
The Barrier
Under Concrete Insulation

"The Barrier" is an underground insulator/vapor barrier that is made with 3/8" extruded polystyrene and heavy duty black polyethylene film laminated to both sides. The product is strong and durable and will not collapse under the weight of the concrete. Installation is far easier because you can walk on "The Barrier" - plus our patented taping system makes installation fast and efficient. Rolls are 4' wide x 60' long. (240 square feet)

PATENT NO. 6,006,481

Installation of "The Barrier"

Edge View



Like a styrofoam cup protects your hand from the hot beverage it holds, "The Barrier" protects concrete from heat loss and moisture. "The Barrier" under concrete insulation is a thermal block which insulates the concrete from the cold and dampness of the ground.

Product test comparisons on reverse side.

COMPARISON CHART FOR INSULATION			
	"The Barrier"	1" EPS	1" Blueboard
Easy to handle	Yes (even if windy)	No (not if windy)	No (not if windy)
Flexible Rolls	Yes	No	No
Patented Taping System	Yes	No	No
Moisture Resistant	High	Moderate	Moderate
Rodent Resistant	Yes	No	No
LLPDE Skin (Heavy Duty Black Polyethylene Film)	Yes	No	No
Less Seaming Required	Yes	No	No
UPS-able	Yes	No	No

In independent lab tests, "The Barrier" far exceeded all expectations. ASTM E-96, ASTM C-518, ICBO 4.6.1 and 4.6.2 are documented and are available upon request.

Northwestern Ohio Foam

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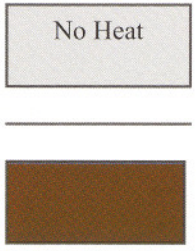
Visit us on the World Wide Web at www.nofp.com

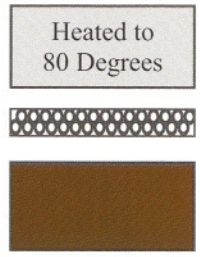
OHIO POWER SHOW

Testing was done in a heated room at a constant 70 degrees on January 25 & January 26, 2003.



9:00 AM	65 DEGREE CONCRETE 30 DEGREE DIRT FROZEN
9:30 AM	65 DEGREE CONCRETE 30 DEGREE DIRT FROZEN
10:00 AM	64 DEGREE CONCRETE 30 DEGREE DIRT FROZEN
10:30 AM	62 DEGREE CONCRETE 31 DEGREE DIRT FROZEN
11:00 AM	61 DEGREE CONCRETE 32 DEGREE DIRT FROZEN
11:30 AM	60 DEGREE CONCRETE 32 DEGREE DIRT FROZEN
12:00 PM	59 DEGREE CONCRETE 33 DEGREE DIRT
12:30 PM	59 DEGREE CONCRETE 34 DEGREE DIRT
1:00 PM	56 DEGREE CONCRETE 35 DEGREE DIRT
1:30 PM	55 DEGREE CONCRETE 36 DEGREE DIRT
2:00 PM	52 DEGREE CONCRETE 40 DEGREE DIRT
2:30 PM	50 DEGREE CONCRETE 42 DEGREE DIRT
3:00 PM	48 DEGREE CONCRETE 44 DEGREE DIRT
3:30 PM	46 DEGREE CONCRETE 46 DEGREE DIRT

Conclusion: 16 degree change in temperature over 6.5 hour period.



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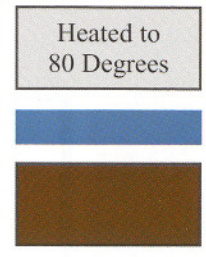
10:30 AM	80 DEGREE CONCRETE 34 DEGREE DIRT
11:00 AM	80 DEGREE CONCRETE 34 DEGREE DIRT
11:30 AM	80 DEGREE CONCRETE 34 DEGREE DIRT
12:00 PM	80 DEGREE CONCRETE 35 DEGREE DIRT
12:30 PM	80 DEGREE CONCRETE 35 DEGREE DIRT
1:00 PM	80 DEGREE CONCRETE 35 DEGREE DIRT
1:30 PM	80 DEGREE CONCRETE 35 DEGREE DIRT
2:00 PM	80 DEGREE CONCRETE 36 DEGREE DIRT
2:30 PM	80 DEGREE CONCRETE 37 DEGREE DIRT
3:00 PM	80 DEGREE CONCRETE 38 DEGREE DIRT
3:30 PM	80 DEGREE CONCRETE 40 DEGREE DIRT

Conclusion: 10 degree change in temperature over 6.5 hour period.



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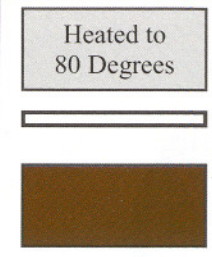
3:00 PM	80 DEGREE CONCRETE 30 DEGREE DIRT FROZEN
3:30 PM	80 DEGREE CONCRETE 30 DEGREE DIRT FROZEN

Conclusion: No change in temperature over 6.5 hour period.



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Conclusion: No change in temperature over 6.5 hour period.