

# CHICAGO VISIT AND TESTING

*Buildings tested were coated with Superior Products Super Therm Ceramic Coating*

General Contractor - Hartrich Construction

## BUILDING #1

Lot 10 Lynn Industries  
524 Anderson Drive  
Romeoville, IL 60446

### AMBIENT TEMPERATURES:

Outside temperature 34F. degrees  
Office temperature 65F. degrees  
Warehouse temperature 56F. degrees

### EQUIPMENT:

BTU - Omega Industries. Gun used to show heat loss through a substrate.

### WALL CONSTRUCTION & APPLICATION:

Concrete tilt up construction. Super Therm sprayed to interior warehouse walls in order to maintain heat in cold climate.

### WALL READINGS:

Interior Wall	Exterior Wall	Difference
112	103	9

Therefore, net heat flow is 9 BTU/sq.ft./hour

RESULTS:	INTERIOR WALL	EXTERIOR WALL	DIFFERENCE	R-VALUE
East	-12	7	5	6-8
	-10	7	3	8-10
North	-8	7	1	16-18
West	-7	7	0	20

*South office did not have readings - note walls above offices were not coated.*

### CONDITIONS:

Coating not consistently applied with a minimum of 7 dry mils across face of walls.

### RESULTS:

Inconsistent results caused by variation in thickness of finish coating - could be due to application error or thinning of product.

## BUILDING #2

### AMBIENT TEMPERATURES:

Outside temperature	34F. degrees
Office temperature	62F. degrees
Warehouse temperature	53F. degrees

### EQUIPMENT:

BTU - Omega Industries - Gun used to show heat loss through a substrate.

### WALL CONSTRUCTION & APPLICATION:

Concrete tilt up construction. Super Therm sprayed to interior warehouse walls in order to maintain heat in cold climate.

### WALL READINGS:

Interior Wall	Exterior Wall	Difference
112	103	9

Therefore net heat flow is 9 BTU/sq.ft./hour

RESULTS:	INTERIOR WALL	EXTERIOR WALL	DIFFERENCE	R-VALUE
Reading 1	-7	7	0	20
Reading 2	-7	7	0	20

### CONDITIONS:

Walls were coated more consistently in thickness.

Wall seams were not sealed or caulked allowing cold air to enter building.

### RESULTS:

Far more consistent application. However, heat loss due to unsealed joint will cause a problem. Also note--walls above office not coated.