



# ULTRA SEAL INSULATION PERFORMANCE

NATIONWIDE PROTECTIVE COATING MFRS., INC. INDEPENDENT TEST LAB REPORT  
on INTERIOR WALLS coated with ULTRA SEAL conducted in Sydney, AUSTRALIA.

## TESTING CRITERIA:

1. Date of Application. December 16th and 17th, 1995.
2. Structure. Interior Walls and Ceiling of a 12 ft. by 10 ft. room in a standard, single story brick cottage.
3. Location. Sydney, Australia
4. Type of Roof. Sloped Tile Roof with no BATTs insulation in between ceiling and roof.
5. Coating Specifications. Two Coats of ULTRA SEAL were brushed on Wet Film Thickness of 12 mils per coat. Resulting Dry Film Thickness after Two Coats of ULTRA SEAL = 14 mils.
6. Testing Variables. The doors and windows of this room were kept closed at all times.  
The exterior brick walls of this structure were not coated. The windows were curtained so that no reflective heat was permitted through the glass. No air conditioning or ceiling fans are on the premises.

## TESTING DESCRIPTION:

Two identical rooms of a Brick Cottage were painted with ULTRA SEAL. Thermometers were placed in both rooms in the same locations equi-distant from the ceiling. An external thermometer was placed outside the Cottage and readings were taken on all 3 thermometers at the same time (1 p.m.) each day. Temperatures were recorded as follows:

(Original Temperatures were recorded in Celsius and converted to Fahrenheit)

TIME	DATE	OUTSIDE TEMPERATURE	ULTRA SEAL™ PAINTED ROOM	UNPAINTED ROOM
1:00 p.m.	12/18/95	78.44 degrees	68.54 degrees	76.64 degrees
1:00 p.m.	12/19/95	78.80 degrees	69.44 degrees	77.00 degrees
1:00 p.m.	12/20/95	82.22 degrees	72.50 degrees	80.60 degrees
1:00 p.m.	12/21/95	82.94 degrees	72.86 degrees	81.50 degrees
1:00 p.m.	12/22/95	83.30 degrees	73.94 degrees	82.04 degrees
1:00 p.m.	12/30/95	87.08 degrees	77.18 degrees	85.64 degrees
1:00 p.m.	12/31/95	84.92 degrees	75.38 degrees	84.02 degrees

## CONCLUSIONS:

The Average Outside Temperature for the Seven Days Recorded = 82.53 degrees Fahrenheit.  
The Average Temperature of the Experimental Coated Room = 72.83 degrees Fahrenheit.  
The Average Temperature of the Control Unpainted Room = 81.06 degrees Fahrenheit.  
The Average Difference of Temperature between the Two Rooms = 8.23 degrees Fahrenheit

*COP is the efficiency of the cooling unit. Eff. is the efficiency of the heating unit.*