

# Stucco Walls

## Evaluation of Thermilate® for Stucco Wall Applications

**Thermilate®** has proven to help improve energy efficiency of stucco walls and it's backed up with scientific testing. The tests results below compare two identical rental apartments made of stucco. The outside walls of the building treated with **Thermilate®** dramatically decreased the surface temperature of the apartment. The same goes for the interior walls. **Thermilate®** is the difference when it comes to reducing energy costs in your home.

### Test Data

Tech Traders, Inc.  
307 Holly Road  
Vero Beach, FL. 32963

**Test:** June 14th, 1997

**Location:** Ft. Pierce, FL.

**Conditions:** Clear and sunny with a temperature of 91 deg. F at 1:00 PM.

**Structure:** 2 identical free standing rental apartments. One structure had stucco walls painted with a regular off white house paint with no **Thermilate®**. The other structure had stucco walls using the same paint with added **Thermilate®** to it as directed by the manufacturer. Wall insulation of the structures was verified to be of the same type and rating.

Results:	Painted stucco wall	Thermilate® painted stucco wall
Outside wall surface temperature in direct sunlight:	114 deg. F	92 deg. F
Interior wall surface temperature. (sun bearing side of structure with A/C set at 72 deg. F )	83 deg. F	76 deg. F

**Summary:** The use of **Thermilate®** in the paint applied to the exterior wall of the apartment studied in the test showed a marked drop in the measured heat influx into the structure. The resulting difference in the interior wall surface temperatures registered between the painted **Thermilate®** wall compared to the standard painted wall was 7 deg. F in this test. This temperature difference is a substantial increase in the energy efficiency of the stucco structure painted with **Thermilate®**

**Test supervisor:** Clem Hawkins  
C12R-400M

**Test validated:** 6/20/97