

Energy Usage Analysis—EIFS vs. Brick

A case study conducted in Charlotte, North Carolina has mounted additional evidence the EIFS has significant energy savings characteristics that have been largely overlooked by homeowners, Realtors, builders and certainly by the media. In this side-by-side comparison, the home clad with EIFS posted an energy savings of more than 28% over a 21-month period. With the energy costs sky rocketing, a 28% reduction in energy costs can add up to significant savings for EIFS home-owners. On average, the EIFS homeowner saved more than \$1,089 annually, which is equal to more than \$90 every month,



Reference Data

Location: Homes are located side-by-side with front orientation of both homes facing North-East.

Size: Brick= 3,850 sq. ft. EIFS = 3,930 sq. ft.

HVAC and appliances: Identical Train® HVAC systems on each home. Water heaters in both homes are gas and all other appliances are electric.

Windows manufacturer: Pella®

Year Built: 1995

Builder: Lake View Homes, Inc.

Energy Data from April 1999 to December 2000 (21-months)

Total Electric And Gas usage:	Brick= \$6,774	EIFS= \$4,868
Average Monthly Usage:	Brick= \$322.57	EIFS= \$231,80
Annual Savings/Loss	Brick= \$1,089.24 Loss	EIFS= \$1,089.24 Savings
Total Savings/Loss (%)	Brick= 28.14% Loss	EIFS= 28.14% Savings