Improving Heat Regulation in Homes through Window Replacement by Ronald Miller

Article published on June 28th 2012 | Home Improvement

Windows are the first-line defense against the ravages of strong winds in Omaha, Nebraska. In a state where tornados are frequent, most homes in Omaha install durable windows but they still bear the brunt of the placeâ€™s rugged and potent winds. With the damage, so goes the ventilating and heat regulating capabilities of those windows.

Based on a study conducted by the U.S. Department of Energy (DOE), an average home loses more than 30% of its energy through defective windows and doors. Thus, more than one third of cooled or heated air is lost or escapes through old, damaged, or poorly-installed windows. It also means more than one-third of your electric bill is underutilized. This energy that could have been efficiently used seeps out through cracks or gets cooled or heated by the air coming from outside. To use the energy you are being charged for, itâ€™s important to fix any structural defect on your windows the first chance possible.

Fortunately, there are many companies in Omaha that offer window replacement services. But before giving window repair the green light, there are some factors you need to know that affect window performance. The most important factor of these is the U-value. Simpy put, the U-value is the measure of heat flow through a window.

A lower U-value equates to a more energy efficient window. In essence, the U-value gauges how well a material or assembly allows heat to pass through. Generally, it measures the entire window unit: frame, glass, spacers, and sash. The U-value of a window generally falls between 0.20 and 1.20.

When it comes to replacement windows omaha manufacturers sometimes apply a low-E (low-emittance) coating to glazing surfaces; low-E coatings reduces heat loss and the effects of U-factors. Aside from special coatings, windows can also be assembled to improve thermal performance; some manufacturers use two or more layers of panes or film, while others introduce low-conducting gas to fill in between the glass panes. Edge spacers are also incorporated between the window panes.

Because the windowâ€™s sash and frame represents about 10% to 30% of a windowâ€™s total surface, t material itself used to manufacture the frame may determine heat loss and condensation resistance. Generally, in non-residential structures in cold climates, thermal breaks are indicated to minimize heat transfer and condensation on the frames. For window replacement omaha residents prefer double glazing as this feature helps keep warmth inside.

Having windows replaced or upgraded increases the value of your home. But more importantly, the kind of window replacement omaha ne residents prefer must improve the heating mechanism in the home as ultimately, this translates to greater cost-saving.

You can learn more about window replacement on articlealley.com.

Article Source:
http://www.articleside.com/home-improvement-articles/improving-heat-regulation-in-homes-through-window-replacement.htm - Article Side

Ronald Miller - About Author:
If you have questions, please visit us at www.CertifiedSidingProfessionals.com for complete details and answers.

Article Keywords:
replacement windows omaha, window replacement omaha, window replacement omaha ne

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!