Evaluating Double Glazed Windows And Single Glazed Windows

The high cost of energy is an excellent reason to explore ways to minimize heat loss in buildings. One very important consideration is the type of windows used in construction. Comparing double glazed sash windows to single glazed windows is helpful when exploring alternatives for energy conservation.

Application of reflective or tinted coating was an early attempt to insulate windows. The layer blocked some of the glare and heat from the Sun. Other chemical treatments somewhat helped to enhance occupant comfort. Older houses usually had sash windows, which were made of 2 big glass panes built into wooden frames. As the wood wore over the years, the glass panes were no longer sealed properly, so most buildings were drafty and uncomfortable.

In newer construction, panes of glass are doubled inside a frame, with either a vacuum or a type of gas between them. There is more insulation to keep heated and cooled air where it is needed. In all seasons, it is important to control energy output, which of course, affects fuel costs. Double-paned windows provide an acoustic effect, providing a more quiet environment indoors. This benefit would be of extreme importance to residents near an airport, a railway, or an athletic field, etc.

Another feature of double windows relates to security. It is much more difficult to break into this type of window than a single, less structured one. Single windows are more easily pried open, whereas, the double construction is significantly more substantial. There is also much more protection from pollutants when using double glazed windows. The improved insulation guards against natural allergens and chemical poisons. This is particularly helpful for people who have allergies and for those who live near chemical plants or transporting routes, and roadways with automobile emissions.

When heated and cooled air are retained, buildings are more comfortable. They are warmer in Winter and cooler in Summer. Double pane windows decrease the need for wasteful use of energy. That is important in the fight to preserve our planet's fossil fuel resources.

Newer, insulated windows generally look better than older, worn out wooden or metal windows. Real estate increases in value when buildings have better curb appeal.

Choosing the right type of window is instrumental when the goal is to increase comfort, save energy costs, improve security, and lower noise levels. Comparing double glazed sash windows to single glazed windows can help in making an effective decision.

For top energy utilization, you should consider double glazed sash windows instead of single glazed. Sash windows allow for natural flow of air, thus reducing your energy requirements even further.