

WARM EDGE GLASS

WHAT IS WARM EDGE TECHNOLOGY?

Today more than ever, homeowners are replacing their old worn out windows with energy efficient replacement windows. Poorly insulated windows can attribute to 25 percent of a building's heating and cooling loads. As a homeowner, it is just as important to know what type of window spacer material is being used on the insulating glass unit as it is to know what type of glass package (or glazing) is going into the window. The type of spacer material in your windows can make or break your investment!

In order to overcome the thermal inefficiency of conventional aluminium window spacers, a new type of spacer product called warm-edge technology has evolved in the window industry. Warm Edge refers to the type of spacer material used to separate the panes of glass (or glazing) in an insulated window unit. Warm edge Spacer Bar is a thermally efficient non metallic material and therefore has superior thermal properties over aluminium Spacer Bar. Unlike some of the competition Glasscraft warm edge units have a high mechanical and thermal resistance suitable for roof glazing and glazing exposed to high mechanical loads.

KEY BENEFITS:

THERMAL INSULATION

- Approx 10% improvement in window U_w values according to En ISO 10077.
- No thermal bridging at the edge of glass
- High thermal comfort near the window

ENERGY SAVING

- Real "warm edge" spacers raise the internal temperature at the glass edge significantly and thus reduce thermal bridging and heat loss in that area. This allows up to 5% energy cost savings depending on the insulation level of course.

LESS CONDENSATION

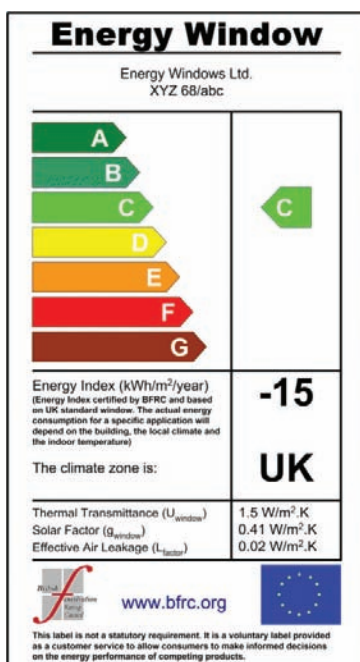
- High glass edge temperatures means less condensation and mould problems

WINDOW AESTHETICS

- Wide choice of colours allowing for harmonization between the spacer bar and the window frame, gasket and handle.
- Guaranteed UV stable and fogging free
- Unique matt surface
- No disturbing metallic reflections
- Perfect 90° corners
- Windows incorporating warm edge simply look better

BFRC ENERGY RATING SCHEME

To achieve a 'C' rating or better, you require a combination of gas filling, low 'E' Glass and a good thermally efficient spacer bar.



GLASS CRAFT WARM EDGE SEALED UNITS INCORPORATED INTO YOUR WINDOW FRAME WILL ACHIEVE A MINIMUM 'C' RATING