

Window Spacers

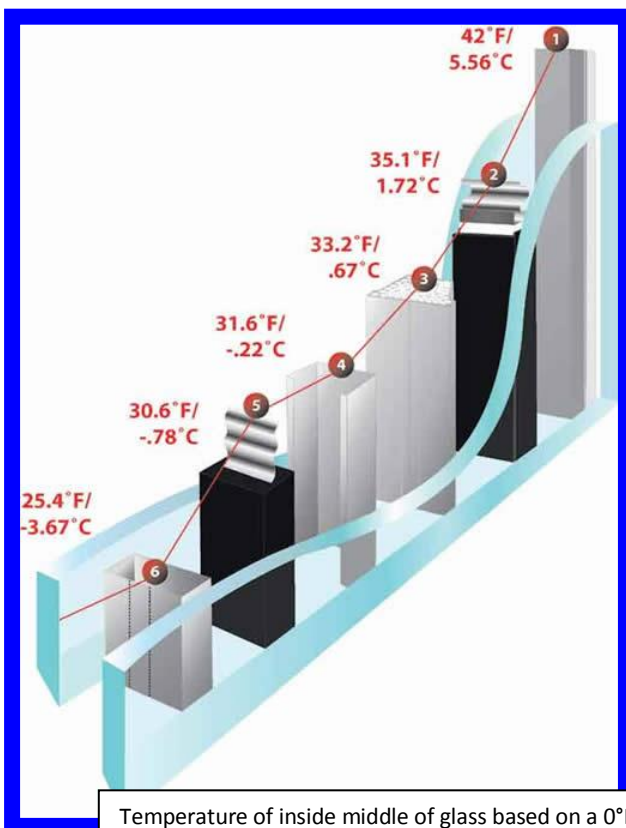
What is Warm Edge Technology?

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 aluminum 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. If the material conducts less heat or cold than a conventional aluminum spacer at the edge of the glass, it is said to be 'warm-edge.' Most of these newer window spacers are less conductive and outperform pure aluminum. But there's still one small problem -- **they all contain some kind of metal. And metal is highly conductive.**

Super Spacer® - TrueWARM® Edge Technology

Clearly, the Super Spacer product line stands alone. We call it TrueWARM because Super Spacer is the world's only 100% polymer foam, NO-Metal Warm Edge spacing system. Its arrival on the scene in 1989 revolutionized the insulating glass industry, and today, this TSS® technology is still breaking new ground in providing the warmest, longest-lasting windows anywhere in the world.



Temperature of inside middle of glass based on a 0°F temperature outside and a 70°F temperature inside. Notice a **16.6°F difference** between the spacer with no metal to the spacer with all metal.

The NO-Metal Advantage

“Thermal efficiency through no presence of conductive metals” is Super Spacer's hallmark. The edge of the insulating glass unit is indeed the most vulnerable to heat and cooling loss, condensation and frosting. Super Spacer's NO-Metal formula blocks the heat escape path and provides one of the best thermal performances in the industry. That means it keeps the heat in during the winter months and keeps the cool in during the summer months. Super Spacer assures comfortable winter humidity levels with hardly any worries about condensation and mold.

Super Spacer's durability means that your windows will remain thermally-efficient and condensation-free for many years to come.

Condensation occurs first around the window's edge - where the glass insulates least effectively and where surface temperatures are the coldest. If a standard "cold edge" spacer exists and outside temperatures fall to 0°F/-17.78°C, condensation will form on the glass edge even in homes with as little as 15% relative humidity.

The solution to condensation formation on glass is to increase the thermal efficiency of the edge of the glass: the window's weak link. Substitute Super Spacer a superior warm edge spacer and the inside humidity can go as high as 50% before condensation forms on the glass. The problem is virtually eliminated.