

WHY OUR UNITS LAST



CORNER BENT SPACERS

Any cut or "splice" in a spacer is an opportunity for moisture to penetrate the seal and cause the unit to fog & fail. Corners are the weakest point of entry - that's why all of our spacers are continuous and bent at the corners.



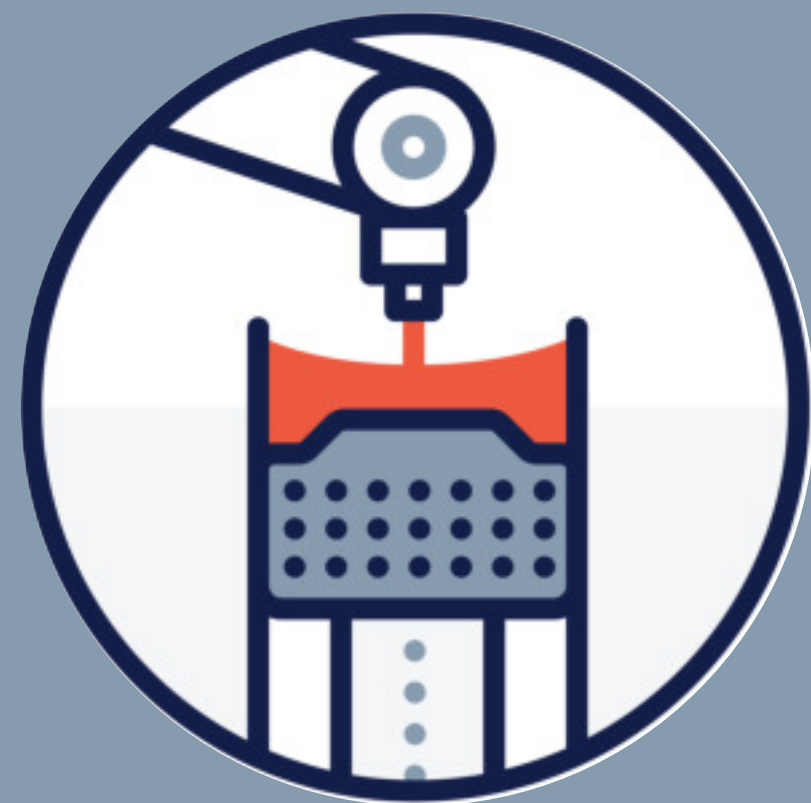
DESICCANT FILL

Desiccant is a critical stage in making a proper IGU. At the time of assembly, any moisture trapped in the IGU's airspace will be absorbed by small desiccant beads which have been filled into the spacer. This dries the unit and prevents fogging.



POLYISOBUTYLENE

Another critical part of assembly is the polyisobutylene or "PIB" - also known as the primary seal. PIB is the super sticky "black string" that bonds the glass to the spacer by cross-linking and creating a hermetic seal. This "water-proof's" the IGU from future moisture entry.



BLACK SILICONE

The final part of IGU assembly is known as the "secondary seal". This silicone fills the cavity in the perimeter of the IGU between the glass and the back of the spacer. This silicone provides structural strength to the IGU. Black silicone has more carbon in it, and is therefore stronger.