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NWGF Manufactures “Dual Sealed” Insulated Glass Units (IGU)

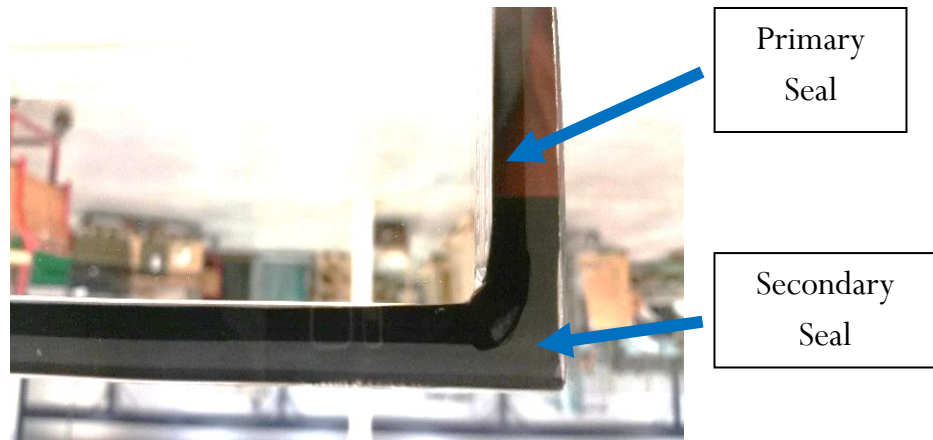
October 24, 2018

Hello All,

We would like to share with you some important information regarding our IGUs. We manufacture IGUs that are classified as “dual sealed”. The two seals are the primary and secondary. The primary seal is a poly-isobutylene material, also known as PIB or butyl. The secondary seal used will be either silicone or polyurethane. The size, shape, and make-up of the IGU will determine which type of secondary seal is used. Here are the guidelines that will determine which secondary seal will be used:

- IGUs with a silicone secondary seal:
 - Any IGUs that are rectangular or squared
 - Any IGUs that are larger than 14” x 14”
- IGUs with a polyurethane secondary seal:
 - All shaped or radius units
 - All triple plane units
 - All offset/step units (IGUs with one piece of glass sized differently than the other)
 - All super spacer units
 - All IGUs smaller than 14” x 14”
 - All Argon filled units
 - When the air space is less than 7/16”
 - All wired glass units
 - All units with capillary tubes
 - All orders that specify polyurethane at the time of order (there will be a small upcharge for these requests)

The picture on the next page shows where the primary and secondary seals are located on an IGU.



There will be instances when a rectangular or squared IGU will consist of a polyurethane secondary seal. This typically occurs when equipment difficulties require us to manually apply a polyurethane secondary seal in order to meet a promised lead time. It is important for you to know that it is the glazier's responsibility to consider the compatibility between the secondary seal and the glazing materials used (sealants, tapes, gaskets, setting blocks, etc.). Selecting a glazing material that is not compatible with our secondary seals could lead to premature failure of the IGU. Here are a few examples of possible incompatible materials:

- Oil based products
- Products with high solvents
- Green or partially vulcanized rubber gaskets and tapes
- Materials that seep oil
- Setting blocks with plasticizer

Insulating Glass Manufactures Alliance guidelines recommend using setting blocks with a Shore A durometer of 80-90. We recommend using setting blocks that are 100% silicone because it is compatible with both polyurethane and silicone secondary seals. If you have any questions or concerns regarding this information, or the type of IGUs we manufacture, please do not hesitate to contact us. Thank you for taking the time to read through this important information.