



Intercept LiteLock[™] Sealant Bead Application System

What is Intercept LiteLock[™]?

Intercept LiteLock[™] is a new extruder tip and sealant bead application system developed by Vitro Architectural Glass for *Intercept*[®] insulating glass technology. Licensees of *Intercept*[®] technology that upgrade to *Intercept LiteLock*[™] will benefit from enhanced efficiency, performance and quality improvements in the manufacture of insulating glass units (IGUs).

The patent-pending *Intercept LiteLock*[™] nozzle tip applies sealant in a unique bead geometry that results in robust adhesion to the spacer metal substrate at near-finished bond line width. This reduces the amount of required squeeze-out during the roll-pressing process, so *Intercept*[®] spacer systems can run faster and at lower post-heating temperature. *Intercept LiteLock*[™] also reduces energy consumption and consumable parts costs, making it the most energy-efficient upgrade to *Intercept*[®] technology.

Maximizing Efficiency and Quality

With *Intercept LiteLock*[™], GED's *Intercept*[®] Oven & Roll process can run at 30% to 50% faster processing speeds while also creating a wider manufacturing process window. This results in a more consistent, uniform and secure seal between the *Intercept*[®] spacer and the glass lite.

Other benefits of the new *Intercept LiteLock*[™] sealant bead application system include improved glass adhesion, enhanced service life of *Intercept*[®] IGUs and a reduction in sealant material used during the



application process. In addition to standard double glazed IGUs, the *Intercept LiteLock™* system has been rigorously tested with triple glazed IGUs across multiple oven and roll press speeds and temperatures to establish effective processing recommendations that will ensure robust glass and spacer adhesion, including the center lite, which is traditionally difficult to bond.

Upgrading to Intercept LiteLock™

Residential window manufacturers can upgrade their existing GED *Intercept®* spacer systems to *Intercept LiteLock™* with a minimally invasive process. *Intercept LiteLock™* is compatible with all generations of *Intercept®* technology as well as all current sealant and spacer types.

To learn more, visit www.gedusa.com/intercept-litelock.

