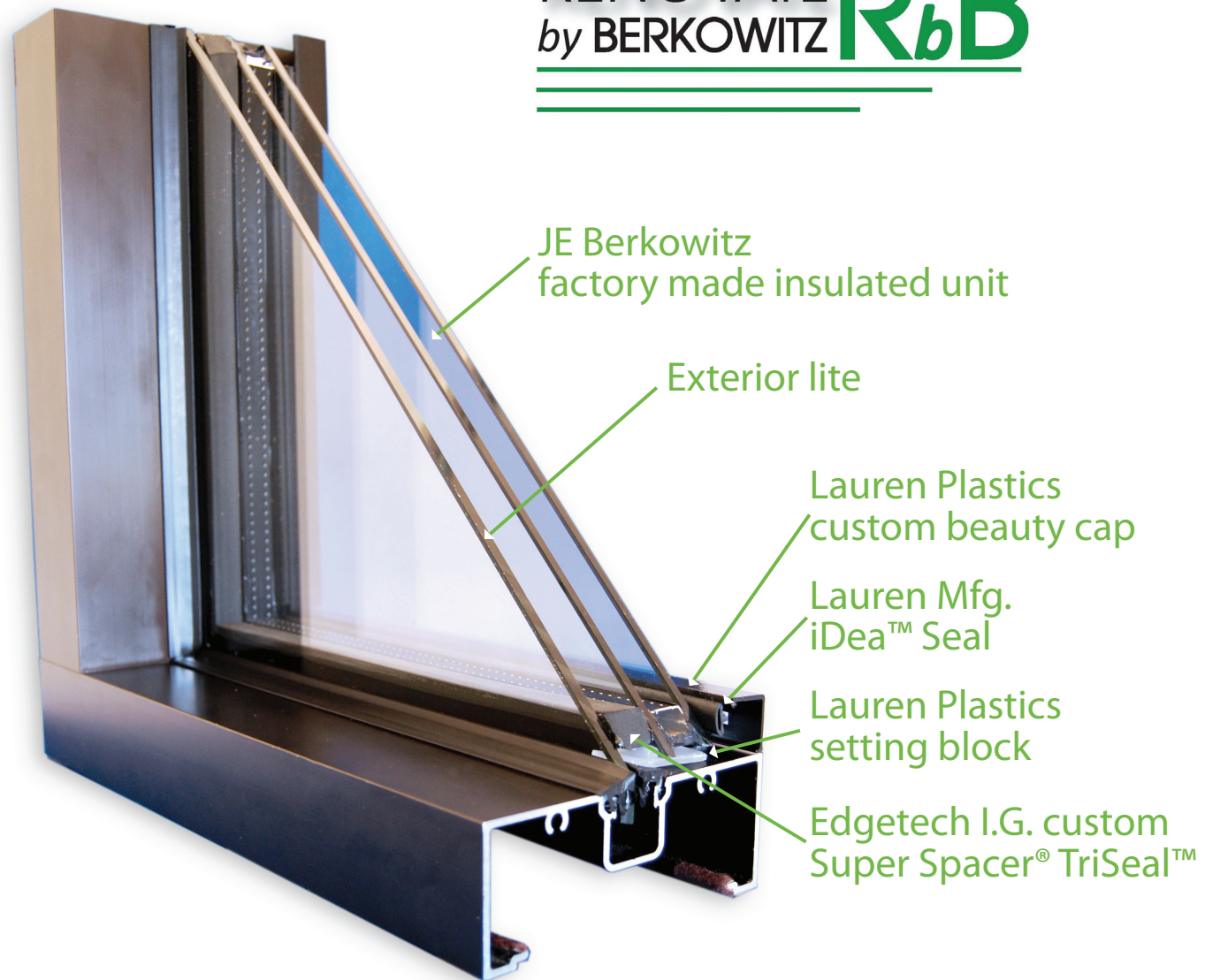


RENOVATE with Super Spacer® TriSeal™ Provides Cost-Effective Retrofitting Solution for Commercial Glazing

RENOVATE
by BERKOWITZ **RbB**



>> **The RENOVATE system is a revolutionary window retrofit technology for existing windows to save energy, save money and improve the bottom line!**

>> **JE Berkowitz and Lauren International companies collaborate for revolutionary new product**

The pressure is on from regulators and the public to implement energy-saving technologies in commercial buildings. While window replacement creates a great opportunity for savings, many building and maintenance professionals are apprehensive about the time, expense and inconvenience of doing a complete tear-out and replacement. But now, a new solution exists.

In collaboration with Lauren International's Edgetech I.G., Lauren Manufacturing and Lauren Plastics, JE Berkowitz (JEB), a trusted leader in architectural glass fabrication, has spun off a new division called RENOVATE by BERKOWITZ (RbB) to offer a new, patent-pending technology that uses existing single-pane units to create an energy-efficient, triple-pane system without the investment of a full replacement.

The RENOVATE system can contribute 7 to 31 Leadership in Energy and Environmental Design (LEED®) points and is manufactured by JEB to be retrofitted over existing glass from the interior of the building for minimal disruption of tenants.

"It's the perfect product at the perfect time," said Ed Berkowitz, chairman of JE Berkowitz.

"RENOVATE is up to 35 percent less expensive than a complete tear-out of window systems and is more thermally efficient. This is due in part to custom components supplied to us by Edgetech and other Lauren International affiliates."

RENOVATE includes iDea™ Seal from Lauren Manufacturing, and a custom beauty cap and setting blocks from Lauren Plastics, as well as a custom version of Super Spacer® TriSeal™ from Edgetech, which provides a seal between the units and helps to ensure optimal efficiencies and the long-term durability of RENOVATE systems.

"Super Spacer TriSeal is a proven technology used in architectural and captured glazed units worldwide," said Brian Kress, commercial technical specialist for Edgetech I.G. "Super Spacer TriSeal was uniquely suited for this application because it provided JEB with a one-stop solution, including adhesive, moisture vapor barrier and desiccant. Lauren International companies have had a long relationship with JEB, and we were all happy to assist with making RENOVATE a reality."

RENOVATE is designed specifically for commercial retrofitting applications,

including office buildings, schools, hospitals and government buildings, that have single-pane, non-operating windows. According to a 2009 study by McGraw-Hill Construction, energy-efficient upgrades will account for 85-95 percent of all retrofitting activities by 2010 – mostly due to major legislative and competitive pressure to address climate change.

In particular, inefficient windows account for up to 35 percent of energy wasted in buildings and up to 10 percent total carbon emissions in the U.S. annually. RENOVATE's unique technology enables building owners and maintenance professionals to make superior upgrades to improve energy-efficiency at lowered costs and reduced landfill waste because existing windows are incorporated into the system.

"The stars are perfectly aligned for RENOVATE to be an immediate success," Berkowitz said. "Energy savings, CO₂ reduction and LEED certification are all top of mind, and RENOVATE offers a unique opportunity to help meet all of these requirements at a lowered cost."

JEB's certified dealer/installer network for RENOVATE goes through a rigorous two-day

training and a certified installer is always present onsite to ensure the overall quality and long-term system performance. RENOVATE has been through extensive testing, including installation in three beta sites. Third-party performance data and more information about RbB can be found at www.jeberkowitz.com.

Overall benefits of RENOVATE include:

- Improved thermal performance (takes R1 to R5).
- Improved acoustics/noise reduction.
- Little to no tenant disruption.
- Increased security.
- Certified dealer/installer network.
- Contributes to LEED requirements (potential to earn 7 to 31 points)

More information on Super Spacer TriSeal and other Lauren International building technologies can be found at www.edgetechig.com.

Gasglass and Spyglass Now Available through Edgetech I.G.

>> **Gasglass technology is a non-invasive method of measuring argon and krypton fill level in IG**

As of February 2010, Edgetech is the official distributor for Sparklike's revolutionary Gasglass and Spyglass technologies in the Americas, Europe and Australia.

About Gasglass

Prior to the invention of the Gasglass technology, manufacturers had to virtually destroy units to test gas fill levels. Gasglass is the first technology to enable testing without compromising the integrity of the IG unit.

Sparklike's latest innovation, Gasglass Handheld v2, allows a freedom of movement and total quality control for windows and



doors in the factory or even in the field.

The new version of Gasglass Handheld includes an improved sensor design with new optical components. The new sensor allows the devices to measure

the spark parameters with greater accuracy and repeatability. Using this more accurate information the Gasglass Handheld can now detect the most common measurement errors.

For the operator of the device, this means more reliable measurements. The operator is also relieved from observing the spark quality, thus reducing operator caused faults in measurements.

Ability to measure lower fill levels

In the previous version of Gasglass the stated accuracy and precision were fully defined for fill

levels of more than 70% argon. The new sensor design allows for more accurate measurements with precision parameters specified for lower fill levels ranging from 50%. The specified precision at 50% argon fill level is +/- 3.5%.

GASGLASS v2
HANDHELD



About Spyglass

Spyglass is a laser-based glass pane analyzer that is worth its name; just press the small device against any type of glass pane, push the button, and in a matter of seconds, all the glass characteristics are shown on the screen.

The device handles all of the measurements needed for analyzing insulated glass, such as IG thickness, configuration of panes and detection of low-e coatings and laminations.

For example, Spyglass is ideal for situations in which a broken

window has to be replaced on short notice. Traditionally, it was difficult to immediately define what kind of glass was used in the original unit. With Spyglass, users can instantly measure the exact characteristics of the broken glass and immediately order the right type, saving time and achieving ultimate quality control over the replacement unit.

When sliding Spyglass over the surface of the pane, the device also can measure over or under pressure inside the glass, i.e., it can find out if the surface is not even. This is of importance

especially for quality control, not only in the manufacturing industry, but also in the field.

Graphical interface

In addition to showing plain numbers on the display, Spyglass can also show the structure of the measured glass graphically. The aim was to make the device so simple to use that almost anyone could do the measurements.

There are no complex menus, you simply choose one of the measuring functions, push the button and the laser based technology handles the rest.

SPYGLASS
MADE TO MEASURE



For more information on Gasglass and Spyglass, visit www.edgetech360.com. We're there for you at every turn! 360®