



**THE SECRET INSIDE
NEW ENERGY SAVINGS.**

INNERGY®

Rigid Thermal Reinforcements



The High-Performing Alternative to Aluminum Inserts

Superior performance doesn't get much easier than this.

Innergy® Rigid Thermal Reinforcements are advanced fiber glass reinforced resin inserts, designed to slide easily into window and door frame chambers for greater support and insulation.

The result is a new, more efficient system with all the strength and structural reinforcement of aluminum, but with a whole new set of high performance benefits for the home.

Green **IN**side and Out

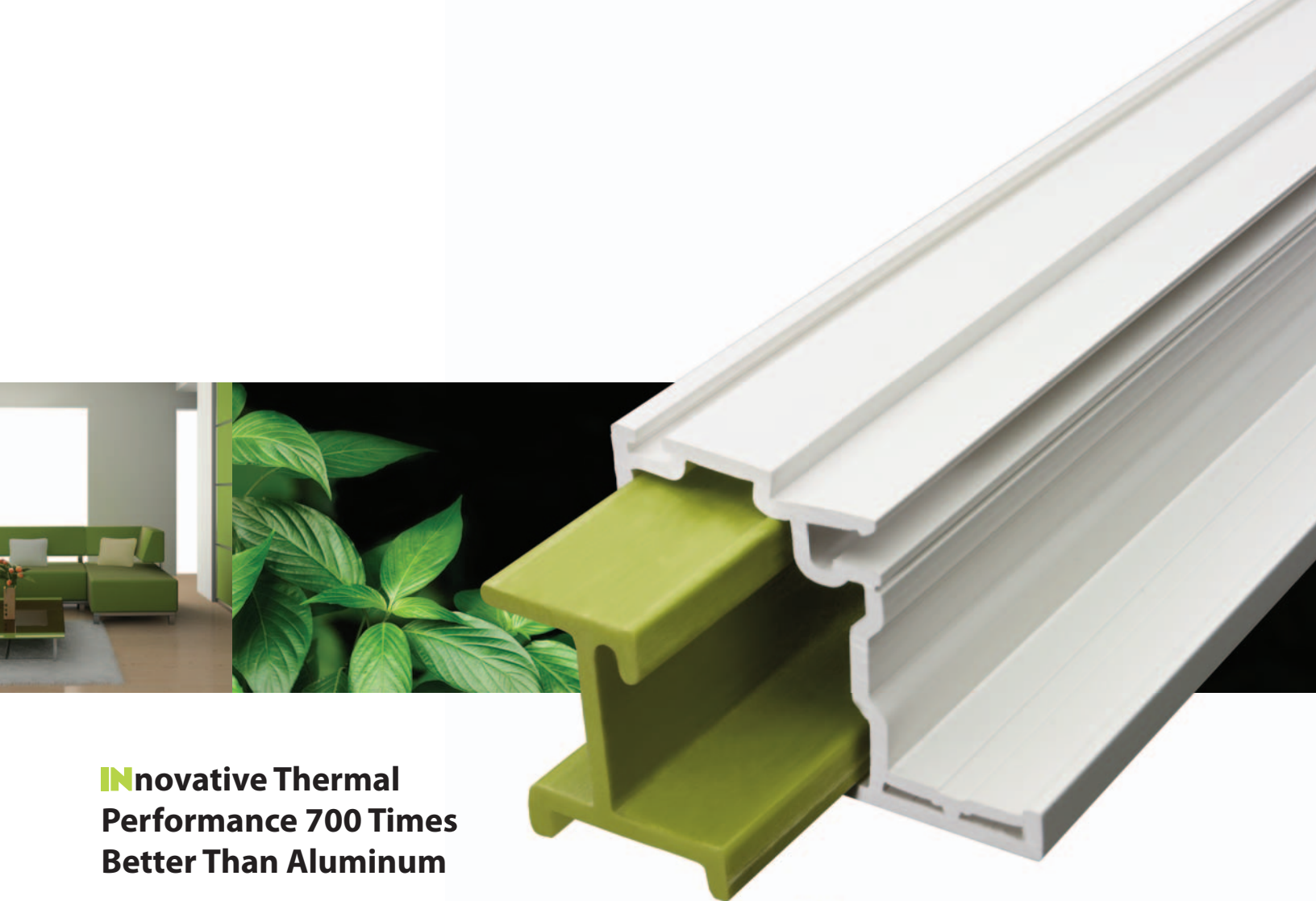
Innergy looks green because it is – starting with a 20-percent bio-based resin component in its proprietary formulation. Incorporating soy and other renewable sources, the composite offers strength, stability and flexibility without using styrene or peroxide.

But the real green story is the superior thermal performance which enables Innergy to be an excellent energy saving addition to every window and door – virtually impermeable to cold or heat and extremely resistant to condensation.

Innergy enables this Bayer MaterialScience and Deceuninck collaboration to be a green innovation every homeowner can be proud of.



*innovation.
for performance.*



INnovative Thermal Performance 700 Times Better Than Aluminum

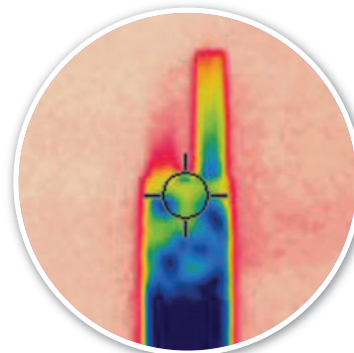
Innergy is the innovative, energy-efficient alternative to aluminum.

As the next-generation of thermal reinforcement for the industry, Innergy is able to deliver a quantum leap above aluminum in how windows and doors perform:

- ◀ **Better thermal performance**
Up to 700 times better than aluminum in material-to-material comparisons.
- ◀ **Better thermal break**
Impervious to cold or heat
- ◀ **Better protection against condensation**
Helps prevent staining that can occur with metal reinforcements
- ◀ **Better impact testing**
Resistance to impact versus other reinforcement products
- ◀ **Better flexibility**
Will not permanently set when impacted



◀ Innergy and Aluminum in a 32 degree ice bath



◀ Infrared analysis shows major conductivity in aluminum and virtually none with Innergy*

* Photos taken after one hour ice bath



Unparalleled Benefits **IN**line with Exceptional Features for the Home

Inside Innergy is the power to
change the way to think about
what goes on inside windows
and doors.

**A Bayer MaterialScience LLC
and Deceuninck Collaboration**



deceuninck

FEATURES

Direct replacement for aluminum reinforcements with better performance characteristics

Co-developed under an exclusive agreement with Bayer MaterialScience

Fiber glass reinforced pultruded product made with resin that is 20% bio-based, made from soy and other renewable resources

Up to 700 times better thermal performance versus aluminum (when comparing material to material)

Resists condensation

Superior impact performance

BENEFITS

Improves window thermal and structural performance

Tested & proven technology backed by a global materials manufacturer

Utilizes materials that are renewable and bio-based

Virtually eliminates the thermal bridge that exists with other metal reinforcements

Helps prevent staining that can occur with other metal reinforcements

Will not permanent set under sustained high winds



INSide the Science

Innergy is the result of a collaboration with Bayer MaterialScience LLC as part of an exclusive agreement between Bayer and Deceuninck. The collaboration brought together Bayer's expertise in custom polyurethane resin system development and Deceuninck's experience in window systems design and manufacturing.



Science For A Better Life

For more information, call 877-563-4251
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www.deceuninck-americas.com



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