

PREMIUM VINYL SIDING WITH ENERGY-SAVING INSULATION.



Charter Oak®  
*Energy Elite*  
INSULATED SIDING



**Professional**  
GRADE PRODUCT

**Alside**®

EXTREME  RATED CONDITIONS

# Charter Oak® + Fullback® Thermal Support System = Charter Oak Energy Elite.



*Charter Oak® Energy Elite is an engineered siding system that wraps a thermal blanket snugly around your home. It delivers a lifetime of energy savings and freedom from maintenance and time consuming chores.*



*Charter Oak Energy Elite for a home that's maintenance-free on the outside, energy-efficient on the inside.*

Charter Oak Energy Elite is an engineered siding system that combines select materials and refined designs with energy efficiency second to none. Fitting snugly behind Charter Oak® siding panels, the Fullback® Thermal Support System adds valuable insulation properties and protection against impact and extremes of weather. It makes the panels more rigid and creates a quieter, more comfortable home.

Charter Oak Energy Elite has up to five times the impact resistance of conventional siding. It won't dent, bow or sag. It won't promote the growth of mold or mildew or contribute to "sick home syndrome." And it is made with Preventol® TM, a patented ingredient that discourages termites and carpenter ants from nesting behind the siding.

With Charter Oak Energy Elite, you'll enjoy a lifetime of energy savings, beauty and durability and a lifestyle free of maintenance chores.

## *How Fullback insulates and protects.*

Low-quality siding installed over flat underlayment provides little support, protection or thermal benefits. It's vulnerable to denting, bowing, noise penetration and damage from wind, weather and accidents.

Charter Oak Energy Elite provides a complete wall system and dramatically improves thermal efficiency, rigidity and durability. Wall lines remain straight and true for a lifetime and energy savings are substantial. The interior environment is cooler in summer, warmer in winter and quieter year-round.

## *Charter Oak Energy Elite will exceed your expectations for energy efficiency and durability.*

When asked by an independent research firm what was most important to them when choosing siding, consumers responded:

- Superior insulation and reduced energy costs
- Long-lasting "fresh as paint" appearance
- Resistance to denting, scratching and everyday abuse
- Resistance to extremes of wind and weather
- Freedom from routine maintenance



# Charter Oak Energy Elite: Every single ingredient makes a difference.

The premium vinyl used to manufacture Charter Oak Energy Elite is a proprietary compound and each ingredient contributes specific benefits.

**PureStrength™ Vinyl Resin** PureStrength™ vinyl resin provides superior strength and weather resistance. It prevents moisture infiltration, so panels won't rot, warp, shrink or swell, and makes Charter Oak Energy Elite virtually maintenance-free.

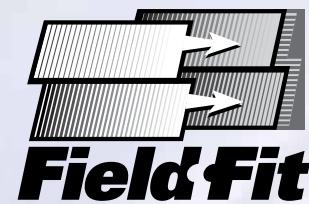
**Ti-Shield™ Titanium Dioxide** Ti-Shield™ titanium dioxide prevents ultraviolet degradation, so even hot summer sun won't damage the beautiful surface.

**StayRight™ Vinyl Stabilizers** StayRight™ vinyl stabilizers help prevent heat degradation during manufacturing and for the life of your home.

**TrueShield™ Impact Modifiers** TrueShield™ impact modifiers give Charter Oak Energy Elite exceptional impact resistance, helping it to stand up to the dents and dings of everyday living.

**DesignersChoice™ Pigment Concentrates** DesignersChoice™ pigment concentrates produce uniform colors that go clear through each panel for color that can't wash away. You'll never have to paint or stain again.

**ChromaTrue™** helps make Charter Oak Energy Elite better with ASA weatherable polymers, which provide superior fade resistance and weatherability for better performance on richer colors.

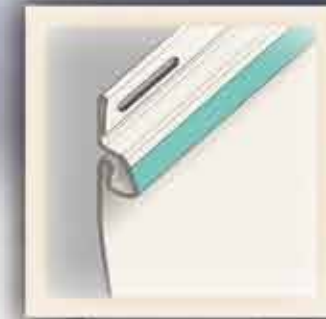


*Charter Oak Energy Elite insulated siding is custom-fitted to your home on-site. The Field-Fit process eliminates the need for gluing or laminating in the manufacturing process. So while Charter Oak Energy Elite fits snugly to your home, the vinyl and insulating layers are free to move and expand, reducing the potential for warping or binding.*

**Charter Oak Energy Elite's TriBeam® System: This is the shape of rigidity and wind resistance.**

The advanced engineering of the unique Charter Oak Energy Elite TriBeam® System delivers superior rigidity, helping to ensure straight course lines and even walls for both new construction and existing homes. No other siding offers this system.

A rolled-edge nail hem ensures superior resistance to the shearing force of extreme winds. To define extreme, we put Charter Oak to another test. The result: Charter Oak stayed nailed in place in winds reaching intensity of Category 5 hurricane-force winds, the designation used by the National Hurricane Center to identify the most destructive storms.



*In strictly controlled laboratory comparisons, Charter Oak remained rigid, while the competition sagged.*

**EXTREME RATED CONDITIONS**

*Charter Oak Energy Elite is rated for superior performance in extreme climates and weather conditions.*

- Insulates your home from extremes of heat and cold
- Industry-leading protection from fading in sun
- Resists scratches, dings and damage from hail
- Independently tested to withstand Category 5 hurricane-force winds
- Superior breathability for performance in wet climates

# Charter Oak Energy Elite: The inside story on energy savings, beauty and comfort.



Charter Oak Energy Elite is an investment that really pays dividends. Energy savings and freedom from maintenance are so desirable that chances are your new siding can more than pay for itself in increased home value. And it will always be a pleasure to live with.

## *Energy savings.*

Charter Oak Energy Elite is engineered to provide improved energy efficiency by helping to reduce thermal bridging – the transfer of heat through wall studs and other non-insulated framing elements. Your energy bills can be lowered with this high-performance engineered wall system.

## *Durability.*

With its TriBeam Performance System, Charter Oak Energy Elite is among the strongest products on the market. Charter Oak Energy Elite is stronger and more durable than conventional siding because it is not hollow.

Charter Oak Energy Elite has five times the impact resistance (IR) of ordinary siding. You'd have a hard time denting it, even with a hammer. That's how well it stands up to hail and accidents.

Storm damage typically occurs when wind gets between the siding and the wall, and twists and rips it. Because there is no void behind the siding, Charter Oak Energy Elite eliminates the unobstructed movement of air and solves this problem.

Average siding can bow or bend over time. Charter Oak Energy Elite is fully supported to stay rigid for the life of your home. Laps won't open and the appearance of premium wood siding is complete.



Charter Oak Energy Elite shown in Mystic Blue.



## *Comfortable interior.*

Because it is highly insulated, Charter Oak Energy Elite can help your furnace and air conditioner work more efficiently, and provide more even heating and cooling in your home throughout the seasons.

## *Healthier environment.*

Charter Oak Energy Elite is 500% more breathable than other insulated systems. This means that it will not support the growth of mold or mildew, or contribute to sick home syndrome. Independent laboratory tests have also proven that it will not absorb or retain moisture.

## *Insect resistance.*

Charter Oak Energy Elite is manufactured with Preventol™, a patented, organic molecule additive that discourages termites and carpenter ants from nesting behind the siding. It is registered with the Environmental Protection Agency for this application and is nontoxic and safe to handle.

*Insulated siding such as Charter Oak Energy Elite that meets the R-value levels specified by the EPA can help meet the performance guidelines of an ENERGY STAR® qualified new home.*

# Charter Oak Energy Elite: Choose the look you'll love – for a lifetime.

The classic look of premium, freshly painted wood is the most desirable exterior finish available today. The authentic textures and profiles, deep shadow lines and extraordinary color palette of Charter Oak Energy Elite define the look you'll love for a lifetime.

All-American profiles. The clean, simple lines of the **classic clapboard** profile add rich appeal to any architectural style from grand Victorian to seaside contemporary. Available in 4 1/2" exposure width.

**Dutch lap** styling, distinguished by its graceful cove detailing, adds an interesting dimension to a range of home styles. Available in 4 1/2" exposure width.

Natural textures: Choose the detailed texture of quarter-sawn oak boards or a smoother planed appearance. Choice is what Charter Oak Energy Elite is all about.

Deep, bold, beautiful shadow lines. When the sun shines on your home, you'll see how realistic shadow lines add to its beauty. Charter Oak Energy Elite is made with a full 3/4" butt (the thickness at the bottom of an exposure).

*Choose subtle or dramatic contrast. The result is always beautiful.*

Happy with your home's exterior? Or maybe you want a new look, with different colors, more details, greater contrasts. Charter Oak Energy Elite offers all the choices needed to give your home the exact look you want. Start with classic panel profiles and end with the perfect details at doors and windows. With Charter Oak Energy Elite, all decisions lead to beautiful results.

Luminous surface finishes. Charter Oak Energy Elite's luxurious, low-gloss finish imparts the look of freshly painted wood, but it lasts and lasts. All you need to maintain it is a garden hose.

## ARCHITECTURAL COLOR COLLECTION: *Richer expression* (Available in Charter Oak siding, soffit and Trimworks accessories)



## CONTEMPORARY COLOR COLLECTION: *Timeless subtlety*



\*Not available in all areas. \*\*Available in oak grain only. †Soffit use only / acrated panels only.

Please note: We strongly recommend that you make your final color selections using actual vinyl samples. Colors in this brochure are only as accurate as printing techniques allow.



*Subtle contrast unifies your home's architectural elements. Shown here: Coastal Sage siding, Antique Parchment trim, Storm Gray shutters and White door.*



*Greater contrast emphasizes individual architectural elements. Shown here: Vintage Wicker siding, Tuscan Clay trim, Black shutters and Brown door.*



*Want a great way to view Alside siding, accent and trim color combinations? Alside's Design Showcase is an interactive color visualization tool that makes choosing siding, accent and trim colors easy, effective and exciting . . . all with just a click of the mouse. Visit [www.alside.com](http://www.alside.com) to get started.*

[www.alside.com](http://www.alside.com)

**ChromaTrue**

ChromaTrue helps make Charter Oak Energy Elite better with ASA weatherable polymers, which provide superior fade resistance and better performance on richer colors.

# Eye-catching details set your home apart.

*It's easy to create distinction and appeal using Charter Oak Energy Elite's beautifully crafted detailing to emphasize your home's important architectural elements.*



*The artful contrast of vertical and horizontal siding creates an almost cathedral-like impression at the home's main entryway.*



*Alside Premium Scallops are half-round shingles inspired by Victorian masterpieces.*



*Alside Premium Shakes create the classic look of deep-grained cedar shakes.*



*The ColorConnect color matching system ensures that trim details complement each other perfectly.*



*Charter Oak invisibly vented soffit.*



*Charter Oak clapboard with Trimworks 5" window trim.*



*Charter Oak Dutch lap with Trimworks 3 1/2" window trim.*



*Trimworks fluted corner post featuring Fullback for increased durability.*



*Trimworks custom crown molding with wood window trim.*



*Greenbriar® Vintage beaded soffit and Trimworks soffit crown molding.*



*5" Trimworks fluted lineals complement a beautiful decorative door.*



*Charter Oak vertical siding and soffit.*

Many Charter Oak Energy Elite trim and accessories have Fullback® inside to make the energy efficiency and durability of your siding complete. For example, our beaded and fluted corner posts feature Fullback inside to add rigidity, insulation, and 300% greater impact resistance. Small animals, birds and insects can't nest in these corners.

**TRIMWORKS®**  
DECORATIVE ACCENTS

**colorconnect®**  
color matching system

*Alside's Trimworks® and accessories are made with the same quality and attention to detail. Plus, soffit, trim accessories, rainware, gutter coil, fascia and trim coil are matched perfectly to your siding, thanks to the ColorConnect® color matching system.*

*To find out more about designing with colors and details, ask your Charter Oak Energy Elite dealer for copies of Alside's exterior design guides:*

*Alside's Color Guide For Your Home's Exterior and Alside Trim & Accessories.*



*Your new siding comes  
with peace of mind.*

Charter Oak Energy Elite and Alside accessories are backed by lifetime limited warranties\*, including one of the best fade warranties in the industry.

Copies are available by writing to:

**Alside Warranty Department**

**PO Box 2010**

**Akron, Ohio 44309**



*\*See printed warranties for details*

*Independently tested for quality and safety.*

The benefits of both Charter Oak Energy Elite and the Fullback Thermal Support System have been verified by extensive laboratory testing.

Charter Oak has received ASTM D3679 certification, the industry standard for quality. Fullback carries ASTM C578-01.



*Pertains to Charter Oak Vinyl Siding.*

Consult the VSI website at [www.vinylsiding.org](http://www.vinylsiding.org) for a complete list of certified products and colors.

**Alside**

Alside PO Box 2010 Akron, Ohio 44309

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*Charter Oak Energy Elite  
shown in Adobe Cream.*



  
Charter Oak  
**Energy Elite**  
INSULATED SIDING