



# Elemental—

## All soy. No formaldehyde.

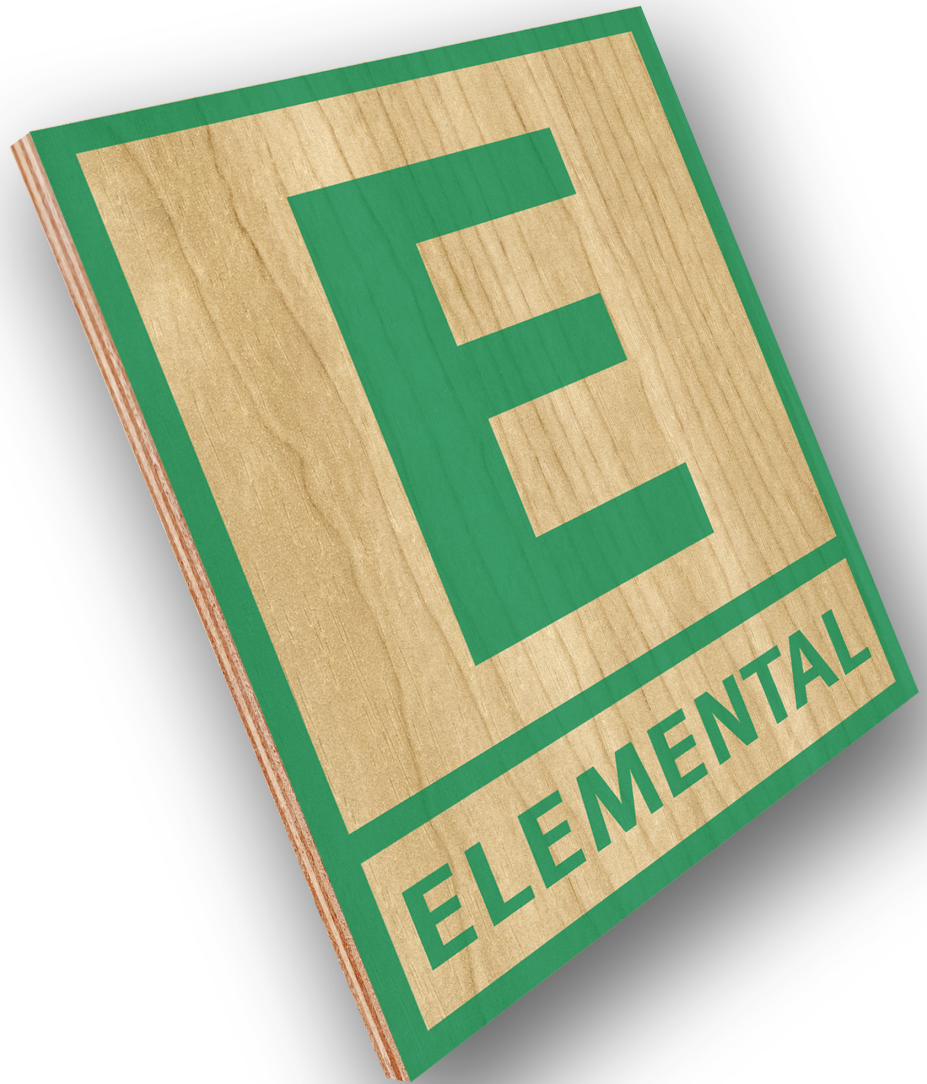
**Elemental** is your mark of assurance that hardwood plywood from States Industries meets the most rigorous standards for indoor air quality.

States total commitment to soy based adhesives means that all veneer cored panels are free from formaldehyde resins and are designated NAF for No-Added-Formaldehyde.

Non-veneer substrates like Particleboard or Medium Density Fiberboard (MDF) that carry the Elemental brand are No Added Urea Formaldehyde.

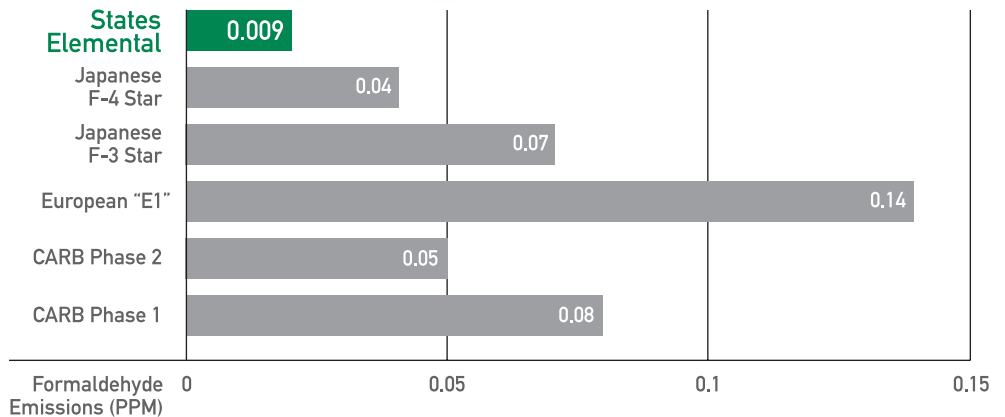
Our Elemental panels exceed CARB Phase II standards and contribute to the US Green Building Council's LEED IEQ Credit 4.4: Low Emitting Materials.

No other panel manufacturer can document a lower average reading. The 0.009 PPM reading shown in the graph on this page represents trace levels of naturally occurring formaldehyde in the wood fiber itself.



*Elemental veneer cored panels tested 75% lower in formaldehyde emissions than the lowest international formaldehyde standard.*

Elemental cored panels compared with the lowest international formaldehyde standards



*This graph represents the relationship between current, global formaldehyde standards and States Industries' soy bonded, veneer cored product. Test data represents a one year average.*



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## A quality panel with the right elements for our environment

States Industries knows from experience that when manufacturing a quality hardwood panel, the elements you leave out are as important as the elements you put in. That's why, in 2008, States introduced **Elemental** as the first soy-bonded hardwood panels with no urea formaldehyde.

Veneer cored panels from States Industries with the Elemental mark are fabricated from the finest woods available without any formaldehyde resins. Elemental products requiring MDF or particleboard substrates have no added urea formaldehyde. All of these panels exceed CARB and USGBC LEED criteria.

States' commitment to the environment took hold close to fifty years ago when we began converting wood waste as an energy source for use in our manufacturing process. As shown below, our early initiatives grew, and will continue into the future as the leading principles of our environmental responsibilities to our community and our customers.



*“Where you stand is not as important as where you're headed.”*

—*Oliver Wendell Holmes*

These words guide our efforts every day, as we continue to develop high-quality, innovative, and environmentally responsible products for the industry.

## A commitment to green principles and products

One of our earliest environmental efforts was converting wood waste to create energy.

**1966**

Introduced NOVA UV finished hardwood plywood. First ultraviolet flatline finishing facility.

**1993**

Received Sustainable Forestry Institute Certificate.

**2004**

Accomplished our goal of sourcing a formaldehyde free adhesive.

**2004**

Qualified for and installed a high efficiency lighting retrofit, gaining energy savings and reducing pollution.

**2012**

CARB EXEMPTION earned for virtually ALL products produced.

**2014**

**1992**

Became the first production panel manufacturer to be FSC® certified.

**2003**

Began sponsorship of a college intern program with the College of Forestry and Renewable Materials Department at Oregon State University.

**2005**

Introduced formal Lean Manufacturing program for eliminating waste, fostering creative problem solving and developing added value.

**2008**

Shipped the first soy-bonded NAF Elemental panels



**2012**

Accomplished 100% conversion to a soy-based resin adhesive containing no formaldehyde. Soyad™ adhesives are:

- Formaldehyde free
- CARB phase 2 exempt
- LEED compliant



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