



the NORMAN Promise

We build quality into every Norman product to ensure long-term performance and value. The result is a trouble-free shutter ownership experience.

Norman stands behind all of its shutters with a lifetime limited warranty on materials and workmanship.

Woodlore[®]
EcoSMART ENGINEERED WOOD SHUTTERS[™]



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WINDOW FASHIONS

www.normanshutters.com

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Woodlore[®]
EcoSMART ENGINEERED WOOD SHUTTERS[™]

Easy on the environment
Easy on the eyes
Easy on your budget
When you know the facts, the choice is easy.



N NORMAN[®]
WINDOW FASHIONS

Wood Composite Products are All Around Us - and an Ideal Choice for Your Shutters

- ▶ You may not even realize it, but you're probably surrounded by wood composite products.
- ▶ Thanks to wood composite, many of your tables, chairs, cabinets, floors and moldings have been constructed to be stronger and longer lasting.



Wood Composite – Get the Facts

- ▶ "Wood composite products" refers to a family of engineered wood panels that includes medium density fiberboard (MDF) and hardboard.
- ▶ MDF is made from small wood particles, refined into individual fibers, pressed together with polymers under high heat and pressure to make an extremely durable solid panel.



Thanks to millions of consumers who have already chosen Woodlore® EcoSmart Engineered Wood Shutters™.

Together, we've made a positive impact on the environment.

Woodlore® Shutters Made from Wood – and Proudly GREEN

- ▶ Woodlore® shutters are constructed with a solid MDF core – **real wood in an advanced state** – for incredible density and strength.
- ▶ Woodlore® shutters' protective coatings have been verified to be **environmentally safe**, releasing no Volatile Organic Compounds (VOC) into the air, and meet and exceed the most stringent international standards.
- ▶ Woodlore® is fully compliant with the strict environmental standards set by the California Air Resources Board (CARB), supporting its mission of protecting the public from exposure to toxic air contaminants and maintaining healthy air quality.
- ▶ Among the most **eco-friendly** materials available, wood composite production involves very little waste, with up to 95% of every tree utilized.
- ▶ **Made from the wood of rapid-growth trees**, Woodlore® shutters enable tree replenishment at an extremely accelerated rate.
- ▶ **Completely biodegradable**, wood has much less of an environmental impact than other building materials.
- ▶ Wood composite shutters by Norman® are an ideal choice for your windows.



95% tree utilization with Woodlore®



Only about 63% tree utilization for solid lumber

Woodlore® Shutters – the Natural Choice.

Woodlore® - Get the Facts

- ▶ Woodlore® shutters have better **consistency** and **durability** than a solid wood shutter, while providing freedom from defects and imperfections that may be found in other wood products.
- ▶ By using **reinforced engineered wood stiles**, we employ a costly and proprietary process that bonds multiple layers of wood to provide an intense level of durability and structural integrity.
- ▶ **InvisibleTilt™** eliminates protruding tilt bars that are prone to damage while allowing louvers to close tightly and evenly.
- ▶ **Better than vinyl and PVC shutters** that are susceptible to deforming, Woodlore® shutters can withstand even the highest desert temperatures to ensure long term performance in a variety of environments.
- ▶ Superior to traditional paints, Woodlore's® **patented polypropylene coating** makes its surface extremely durable and robust, resistant to cracking or chipping over time. Because of this coating, Woodlore® shutters are ideal for coastal regions as well as extremely easy to clean and maintain.



Reinforced Engineered Wood Stiles



InvisibleTilt™



Did you know?

Highly versatile and known for its extreme durability, **polypropylene** is widely used in automobile exteriors, appliances and helmets.