



MICROSTRAND™ wheat

Made from lightweight, high-strength agricultural fiber, Environ Biocomposites Mfg, LLC introduces MICROSTRAND™ Wheat – Consistently superior quality and performance with a better delivered value than traditional wood products

superior performance...

When compared with traditional wood-based particleboard, MICROSTRAND™ Wheat is stronger yet lighter in weight (10% to 15%). The MICROSTRAND™ products meet or exceed wood-based industry standards.

superior surface...

Harder, smoother and more impact resistant than wood-based particleboard, MICROSTRAND™ Wheat offers the perfect substrate for laminating, painting and staining.

consistent quality – better delivered value...

Environ Biocomposites Manufacturing, LLC (EBM) has a state of the art manufacturing facility located in Mankato, Minnesota. Throughout the production process, quality is monitored using sophisticated computer technology resulting in consistently superior quality and value.

innovative design...

EBM's three distinct layers using two resin systems, commonly used in the engineered wood products industry, are combined using state of the art equipment. And, MICROSTRAND™ Wheat can be custom engineered to meet your specific requirements.

commitment to the environment...

MICROSTRAND™ Wheat uses only rapidly renewable agricultural fiber from Mid-western farms, helping to protect America's forest lands. By utilizing our urethane based resin system in all of our products, no urea- formaldehyde is added during the manufacturing process, thus emitting no VOC's into the atmosphere. Each of these environmental attributes contributes to Leadership in Energy and Environmental Design (LEED™) credits. For more information on LEED™ see our LEED™ literature or visit www.usgbc.org.

and commitment to your industry...

We at EBM are committed to quality and leading edge technology as well as research and material development, offering the marketplace revolutionary products for today's use.

For more information on this product or any of our other products, call Environ Biocomposites Mfg. customer service center at 800.324.8187 x 519.

technical specifications	
performance standard	result
mean density	42-44 lbs/f ³
modulus of rupture	4500 psi
modulus of elasticity	650,000 psi
screw holding	
perpendicular to plane	270 lbs.
withdrawal from edge	225 lbs.
hardness	770 lbs.
internal bond	80 psi
edge swell	< 20%
(24 hour immersion)	
thickness swell	< 10%
(24 hour immersion)	
water absorption	< 25%
(24 hour immersion)	
thickness tolerance	± 0.005"
Environ Biocomposites Manufacturing, LLC engineered panel products have been tested to the appropriate ASTM and ANSI test standards. All testing performed on 3/4" thick product.	
product specifications	
widths	48", 49", 60", 61"
lengths	96", 97", 120", 121"
thicknesses	7/16" through 1-1/8"

MICROSTRAND is a trademark of Environ Biocomposites Manufacturing, LLC

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