

MICROSTRAND™ wheat

Made from lightweight, high-strength agricultural fiber - 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.

Harder, smoother and more impact resistant than wood-based particleboard, MICROSTRAND™ Wheat offers the perfect substrate for laminating, painting and staining. Environ Biocomposites Manufacturing, LLC (EBM) has a state of the art manufacturing facility. Throughout the production process quality is monitored using sophisticated computer technology resulting superior quality and value.

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.

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	+/- .005
Environ Biocomposites Manufacturing, LLC engineered panel products have been tested using ASTM D-1037 protocols for mechanical and physical properties and conforms to ANSI A208.1 industrial grade particleboard 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