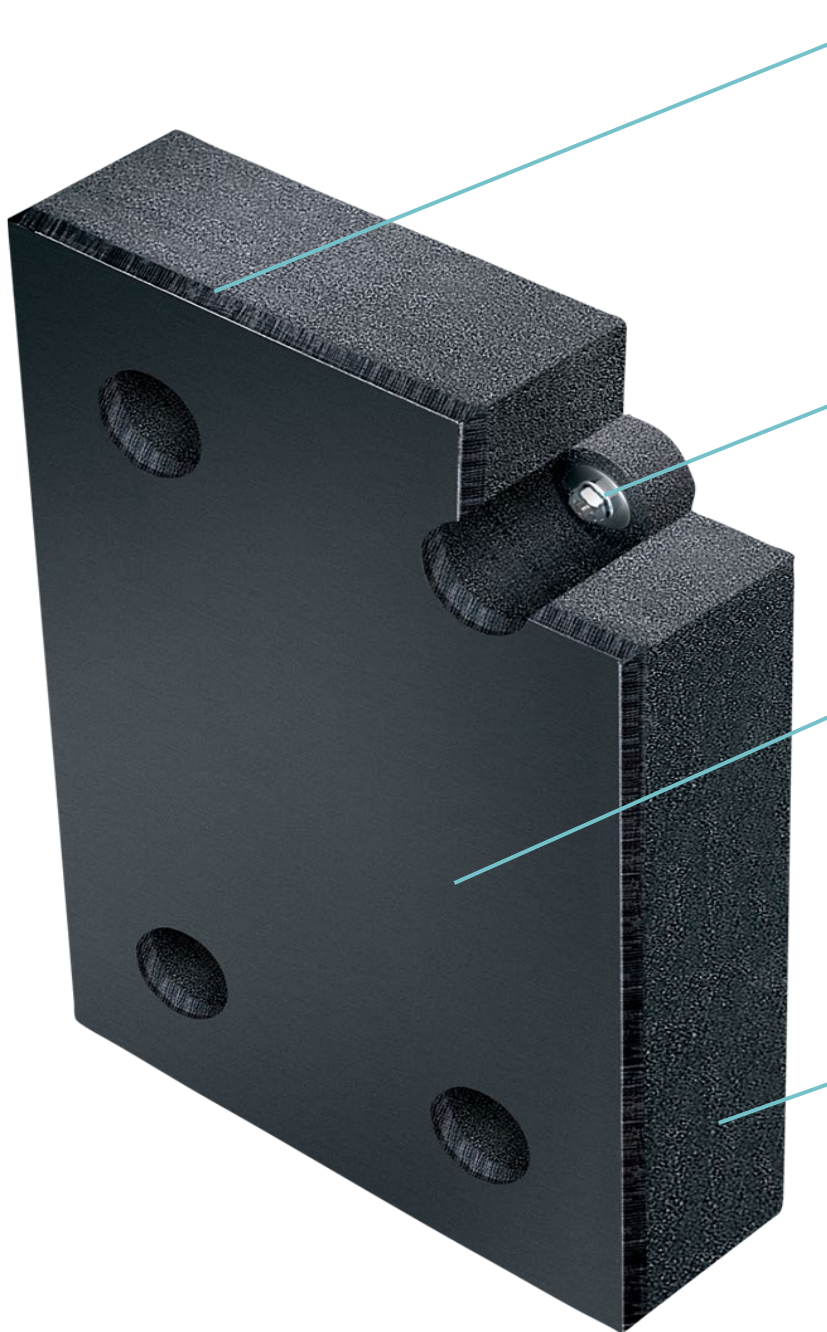


Duramax LINERITE®: The Ultimate Batterboard



Two Integral Materials Fused Together at the Molecular Level

- The LINERITE UHMW-PE facing and impact-absorbing core is blended into a remarkable composite product structure that is virtually impossible to separate.

Recessed Stud Fastener System Prevents Shearing

- Custom-fabricated recessed mounting holes reduce bolt stress and prevent dangerous shearing of bolts or studs during impact.

Low-Coefficient of Friction UHMW-PE Facing

- The ultra-high molecular weight polyethylene (UHMW-PE) facing layer material protects and extends the wear life of your piers, pilings, and dock structures.

Proprietary Energy Absorbing Composite Core

- Unlike straight UHMW-PE plastic panels, which transfer impact energy directly to the substructure, causing damage. LINERITE, with its superior energy absorption, protects the substructure, dock, or pier from damage.



Duramax LINERITE®

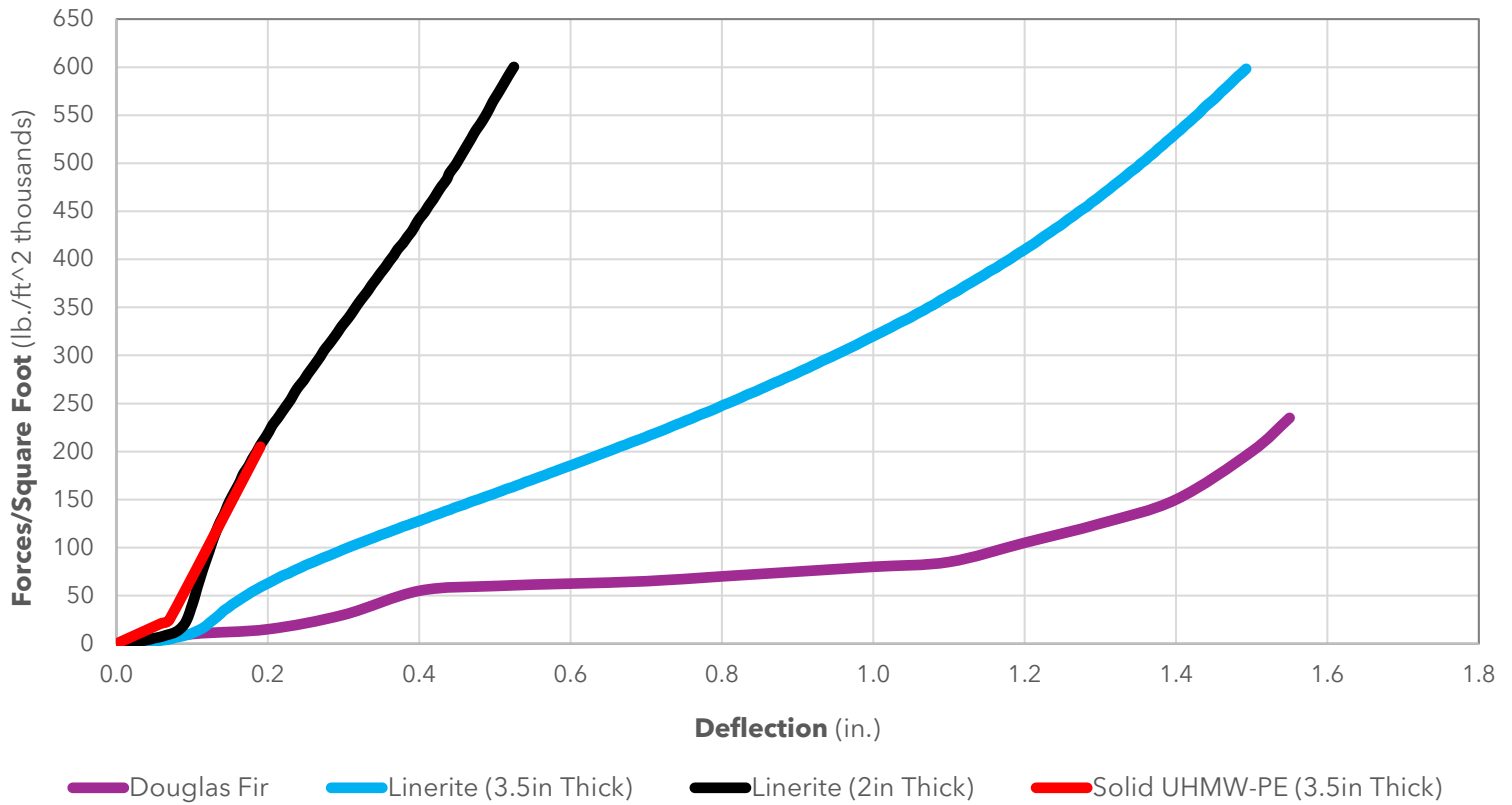
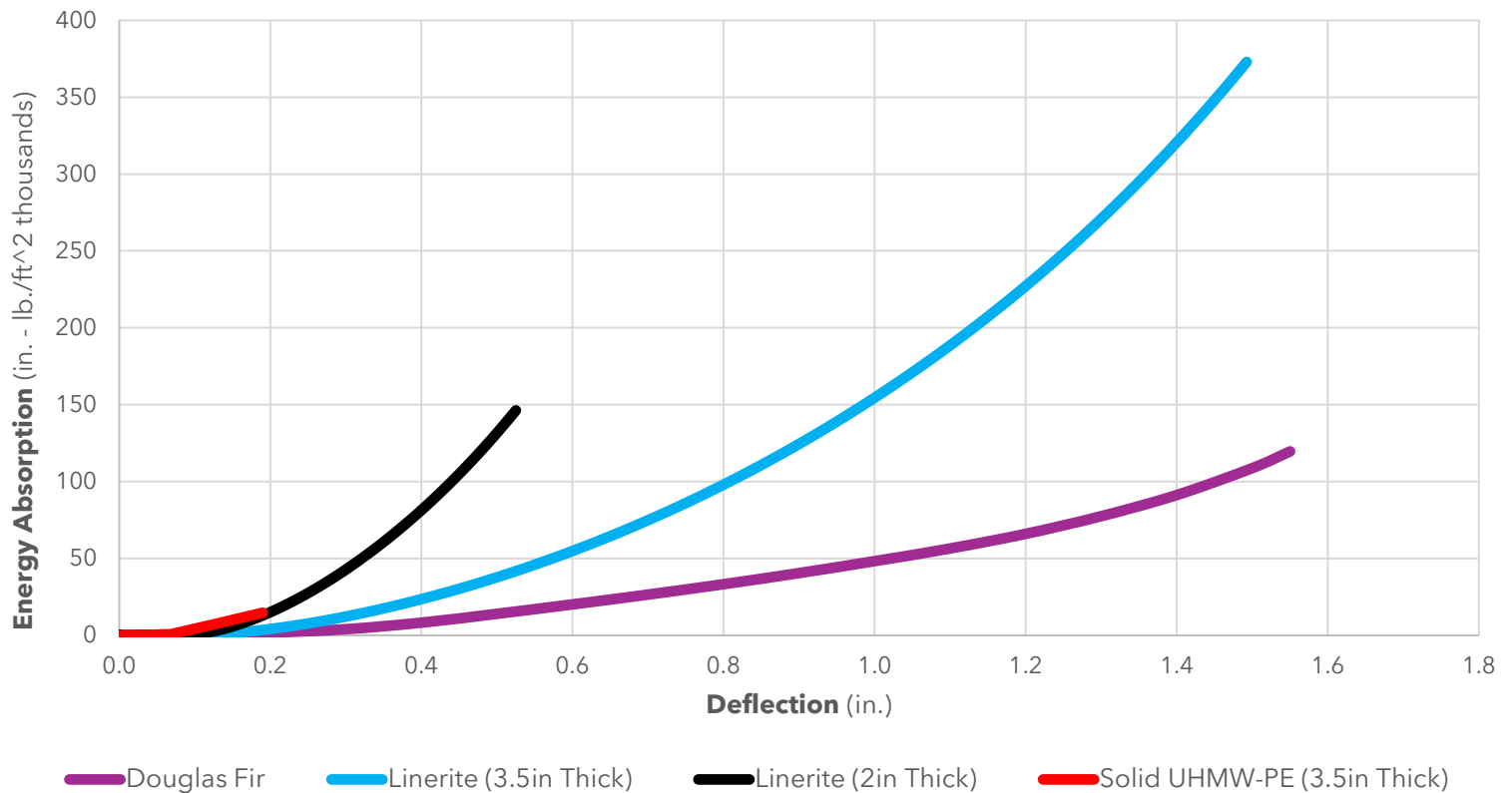
LINERITE composite batterboard is an engineering product designed specifically for high-friction wear applications where there are also heavy impacts present. The material absorbs impact energy better than competitive batterboard or wooden timbers, and provides a nearly indestructible layer of protection. LINERITE is a unique, relatively hard, and dense material that provides a long-lasting, highly-effective, and environmentally-friendly solution that is superior to other materials available in the market.



LINERITE DATA

Test		Standard LINERITE
Friction	ASTM-D-1894 Dynamic	< 0.2
Impact resistance	Impact Strength ASTM-D-256 Method A Unnotched	> 30 lbf ft./in.
	Breaks	No
Resilience	Resilience - ASTM-2632	31%
Other Performance Factors	Water Absorption (by wt.)	Negligible
	Operating Temperature	-40°F to 125°F
	Marine Organisms	No Effect
	Oil Exposure	No Effect
	Withstands Repeated Heavy Impact	Yes
	2" Thick - weight per ft ² (1/2" thick surface layer)	10.7 lbs.
	3.5" Thick - weight per ft ² (1/2" thick surface layer)	19.4 lbs.
Hardware	Recommend 304 SS bolt/316 SS stud	



Force vs. Deflection**Energy Absorption vs. Deflection**

LINERITE Optimizes Energy Absorption When Deflected - While Reducing Reactive Force

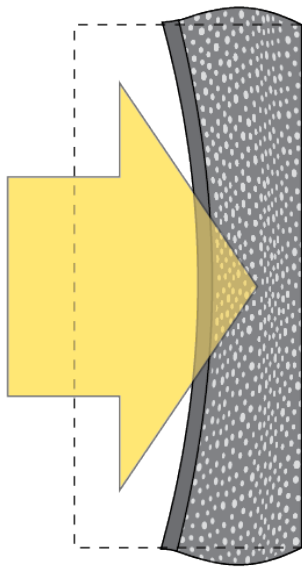
This proprietary-designed system greatly reduces the transfer of energy to the substructure. And, unlike solid rubber with its low energy absorption, there is no "sling shot effect" that could cause damage to the substructure

Energy-Absorbing Composite Core with Low Reaction Force

LINERITE has a proprietary core design that combines a thermoset elastomer and plastic, creating a resilient alloy layer with a very low reaction force.

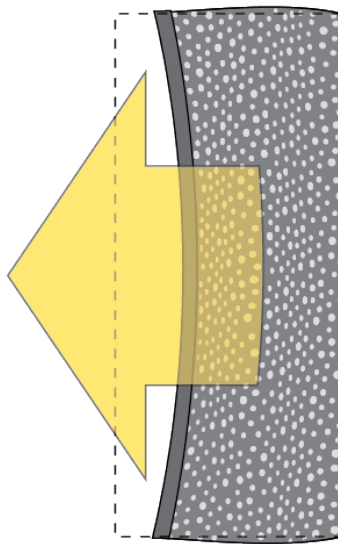
SUPERIOR ENERGY ABSORPTION

Absorbs force with room to bulge on impact



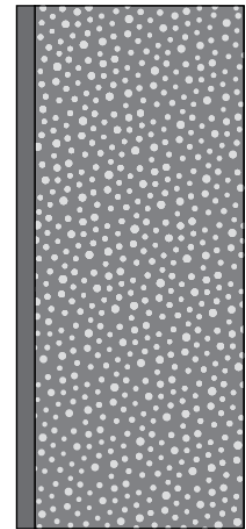
DELAYED ELASTIC RESPONSE

Returns to original dimension in 5 sec. - 1 hr.



VIRTUALLY INDESTRUCTIBLE

Withstands repeated heavy loads & impacts



UHMW-PE Facing with Low-Coefficient of Friction

Unlike some manufacturers that use recycled materials that reduce impact strength and wear life of the batterboard, the LINERITE facing is virgin UHMW-PE with an extremely low coefficient of friction.

Abrasion Resistant

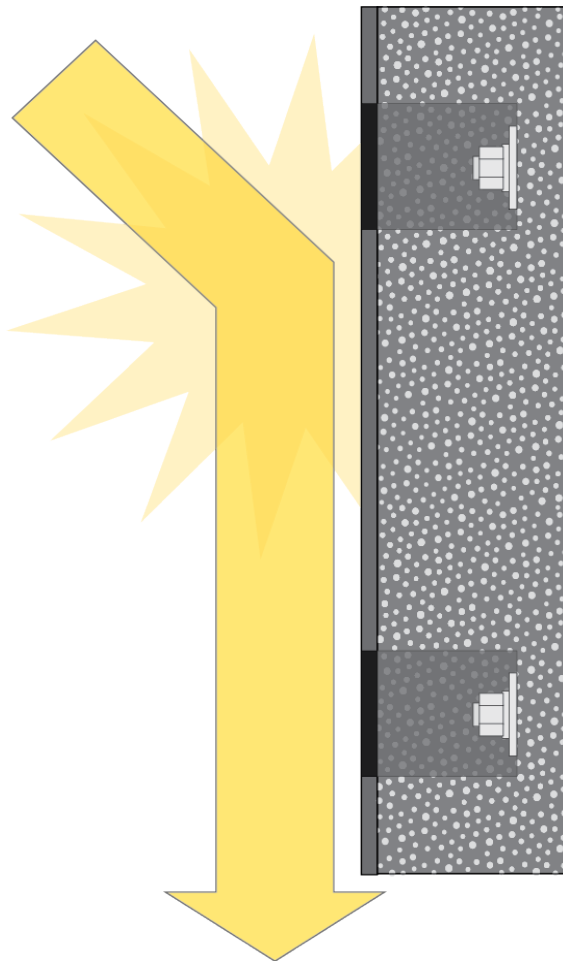
Low coefficient of friction and high impact strength reduces batterboard wear.

Virtually Unbreakable

Resists cracking, tearing, or breaking down heavy loads.

Long Life in Tough Conditions

Resists corrosion, unaffected by marine organisms and extreme weather.



Recessed Stud Fastening System Protects Against Damage and Injury

No exposed fasteners that can be sheared off, causing serious injury and damage.

Bolt stress is reduced because the LINERITE core composite compresses upon impact - unlike solid rubber that bulges around its fasteners, causing them to shear off or potentially become dangerous projectiles.

Tight installation of LINERITE to substructure is assured. Mounting fasteners can be tightened against the dense alloy core to form a tight, long-lasting bond.



Methods of Installing LINERITE to Match Your Application

Consult with a Duramax impact protection system expert to discuss your method of installation.

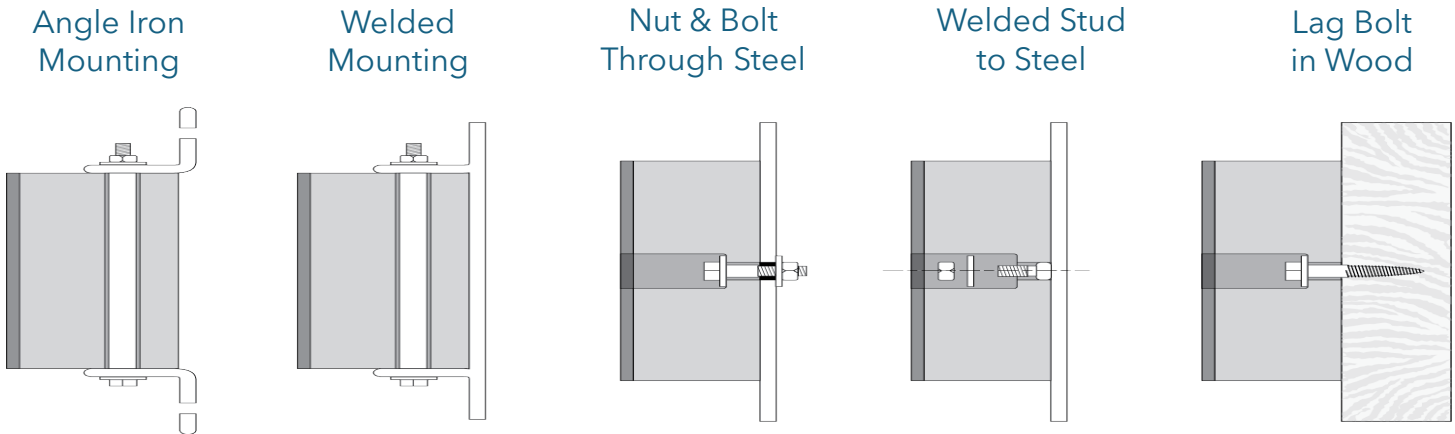
Then, Duramax will prepare LINERITE to fit that mounting method and your specifications.

Custom Mounting Holes

Our recessed stud fastening system is custom-fabricated to fit your application perfectly, making on-site installation easy and cost-efficient.



Additionally, LINERITE is lightweight, making it easy to handle.



Standard Sized in Stock

LINERITE is readily available in standard sizes. Our LINERITE expert will consult with you to help select the right size for your specific application.

Standard Sizes Available		
Length	Width	Thickness
6'	3'	2' and 3 1/2"
6'	4'	2' and 3 1/2"
4'	4'	2' and 3 1/2"
Can be cut and fabricated to desired dimensions		

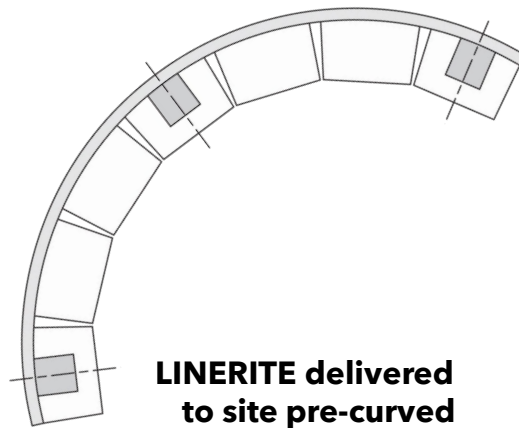


LINERITE can be Designed and Manufactured for Custom Applications

Our impact protection system expert will work with you to meet your specific application requirements. They will design and build a custom size and thickness, create a special configuration, or manufacture a face surface to match a custom color.

Pre-Curved for Easy Installation

Duramax will engineer an impact system that will perfectly match your application. This will save installation time and money.



LINERITE delivered to site pre-curved



Custom Sizes Upon Request

LINERITE can be manufactured to the right length, width, and thickness, and then drilled to meet your installation requirements.

Custom Color

LINERITE UHMW-PE facing comes in black and yellow as standard colors. The face material can be manufactured to match any custom color.

