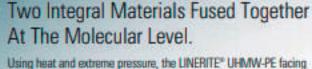
Linerite Batterboard





LINERITE® composite batterboard is an engineered product designed specifically for high frictional wear applications where heavy impacts occur. It absorbs impact energy like no other material and provides a nearly indestructible layer of protection.

It is a unique, relatively hard and dense material that is a long-lasting, highly effective, environmentally friendly batterboard that is infinitely superior to traditional batterboard materials.



Using heat and extreme pressure, 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.

0.12 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 vessel, pilings and dock structure.

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 and vessel from damage.









LINERITE DATA			
Test		Standard LINERITE	
FRICTION	Coefficient of Friction - surface ASTM-D-1894	0.12	
IMPACT RESISTANCE	Impact Strength ASTM-D-256 method A unnotched	166	
	Cracks or breaks	No	
RESILIANCE	Resilience - ASTM-2632	11%	
OTHER PERFORMANCE FACTORS	Molecular Weight of UHMW-PE Surface Layer	>3.1 x 10°	
	Water Absorbtion (by wt.)	Negligable	
	Operating Temperature	-20 to 125° F	
	Marine Organisms	No Effect	
	Oil Exposure	No Effect	
	Withstands Repeated Heavy Impact	Yes	
	Weight per ft ^a (1/2" Thick Surface Layer)		
	2" Thick	10.7 lb.	
	3.5' Thick	19.4 lb.	

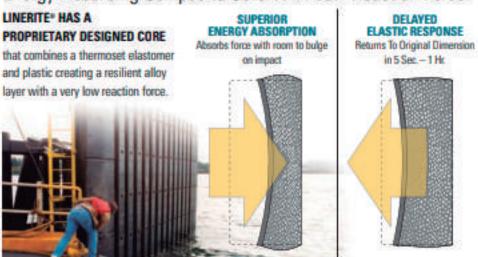
Structural Integrity: Spans for mounting braces - LINERITE can be used in unsupported spans of up to 36". Spans greater than 36" require a supporting substructure.



LINERITE® Optimizes Energy Absorption When Deflected — While Reducing Reactive Force.

This proprietary designed protection 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 vessel.

Energy-Absorbing Composite Core With Low Reaction Force.



INDESTRUCTABLE Withstands repeated heavy loads & impacts

VIRTUALLY

UHMW-PE Facing With 0.12 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

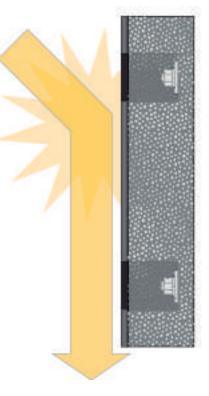
Low coefficient of friction and high impact strength reduces batterboard wear.

VIRTUALLY UNBREAKABLE

Resists cracking, tearing or breaking down under 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 becoming dangerous projectiles.

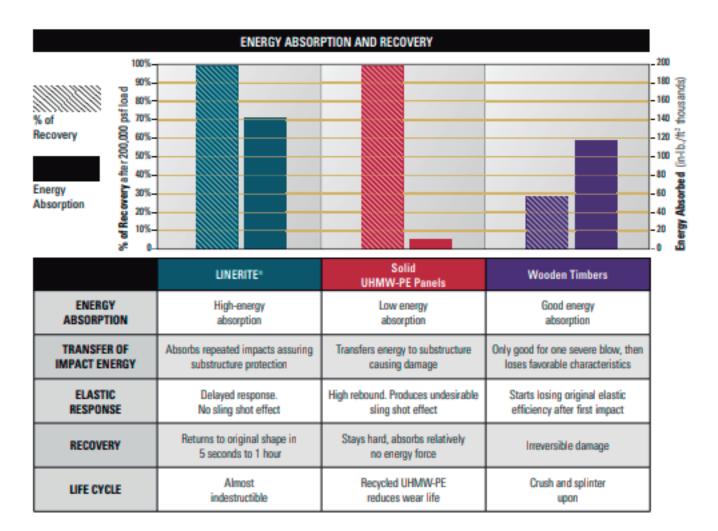
TIGHT INSTALLATION of LINERITE®

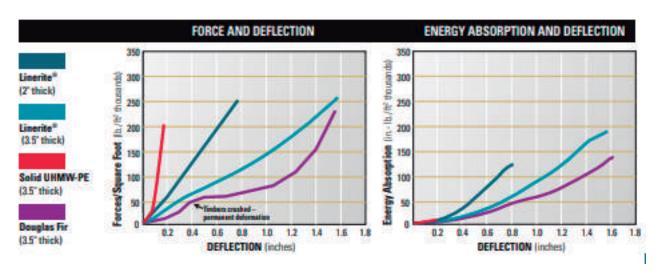
to substructure is assured. Mounting fasteners can the tightened against the dense alloy core to form a tight. long-lasting bond.



Engineered For Unmatched Impact Performance.

When it comes to impact performance, LINERITE® Composite Batterboard absorbs impact energy and withstands repeated high-impact blows far better and longer than wood, or any other standard batterboard material.







LINERITE® Has a Lower Life-cycle Cost Than Wood.

LINERITE® Composite Batterboard provides a nearly indestructible layer of protection and requires minimal maintenance. Unlike wood, that leaches chemicals into the environment, LINERITE® is friendly to the environment. It is the superior performing substitute for wood that is sacrificial in nature, requiring repair and replacement.

LINERITE® Vs. Wooden Timbers Comparison Chart





	LINERITE*	Wooden Timbers
Water Absorption	0.02%	100%
Oil Exposure	Just wash down	Needs replacement
Marine Organism	Inert	Shortens life
Chemicals	Just wash down	Deteriorates
Freezing Temperatures	Unaffected	Cracks
Flame Spread	14	34
Environmental Safety	Environmentally friendly	Leaches harmful chemicals
Maintenance	Practically none	High maintenance
Service Life	Virtually indestructible	Replaced often

LINERITE® Reduces Maintenance Costs On 49' BUSL U.S. Coast Guard Buoy Tender.

Wood batterboard on the buoy tender has been replaced with LINERITE® because of the sacrificial manner in which wood dissipates impact forces and resists wear. Impacts, oil, biological and chemical action does irreversible damage to wood, causing it to be maintained and replaced far too often.







LINERITE®

WOODEN TIMBERS



Perfect System For a Variety of Marine Applications.

TYPICAL APPLICATIONS INCLUDE:



- Dock facings
- Bridge fenders
- Wharf, pier and lock fenders
- Dry dock walls and side rails
- Pipeline fenders
- Floating docks

- Piling Facing
- Wing walls
- Offshore pump station fenders.
- Boat rails and gunnels
- ► Ferry terminals
- Canal lock walls

- Canal lock door panels
- Vessel well decks
- Bilge block facings
- Passenger ferry
- Commercial crab fishing vessels

U.S. Coast Guard Chooses LINERITE® For Well Deck.





LINERITE® Can Be Designed and Manufactured

For Custom Applications.

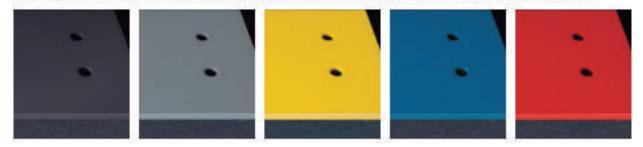
Our impact protection system expert will work with you to meet your specific application requirements. They will design and build a custom size and thickness, create a special configuration, or manufacture a face surface to match a custom color.





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.





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 less costly. And, LINERITE® is lightweight



Standard sizes 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.

LENGTH	WIDTH	THICKNESS
6'	3'	2' and 3 1/2'
6"	4)	2" and 3 1/2"
4	4:	2" and 3 1/2"

