

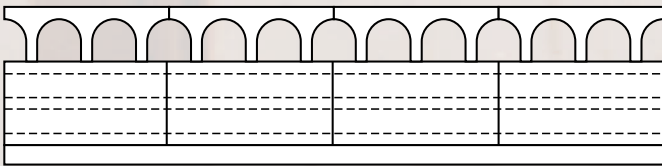


# CLAYBURN

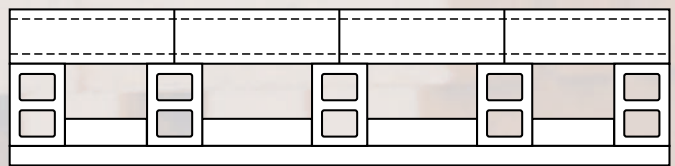
## The Foundation of Kiln Car Performance

# ACCUBLOC

6x18x18 Accu-Bloc Viaduct

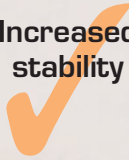


Standard Cell Block Approach

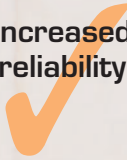


## PERFORMANCE KEYS

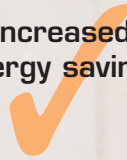
Increased stability



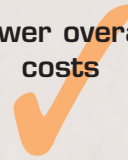
Increased reliability



Increased energy savings



Lower overall costs



Sizing	Strength	Thermal Efficiency	Automation Friendly
<ul style="list-style-type: none"> <li>+/- 1/32" tolerances</li> </ul>	<ul style="list-style-type: none"> <li>Stronger and tougher than dry press blocks</li> </ul>	<ul style="list-style-type: none"> <li>Design enables the use of more insulation, thereby reducing heat shortage</li> </ul>	<ul style="list-style-type: none"> <li>Easily compatible with automated cleaning and loading systems</li> </ul>

	RELIABILITY	ENERGY SAVINGS
	Case History #1	Case History #2
<b>Scenario</b>	New kiln project with 77 new Accu-Bloc cars	Accu-Bloc Viaduct cars replace standard approach
<b>Issues</b>	Start-up reliability and performance a high priority	Accu-Bloc Viaduct weight savings per car = 340.43 lbs.
<b>Features</b>	New Accu-Bloc cars easily adaptable to automated cleaning system	Accu-Bloc Viaduct cars easily adaptable to automated cleaning system and existing car designs.
<b>Performance</b>	After one year of service, the Accu-Bloc cars show virtually no signs of instability or failure	With a complete Accu-Bloc Viaduct system, total annual weight savings is 4,040 tons, thereby approaching \$100,000 energy savings if 100% natural gas
<b>Quote</b>	"We are very pleased with the performance of the Accu-Bloc cars."	"Clayburn Accu-Bloc design lowered refractory costs and increased <b>energy savings!</b> "



# The Foundation of Kiln Car Performance

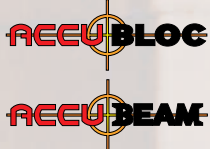
## Product Offerings

- Complete line of kiln car blocks and refractory products for the structural clay industry

## Quality

- ISO certified plant
- State-of-the-Art properties and tolerances

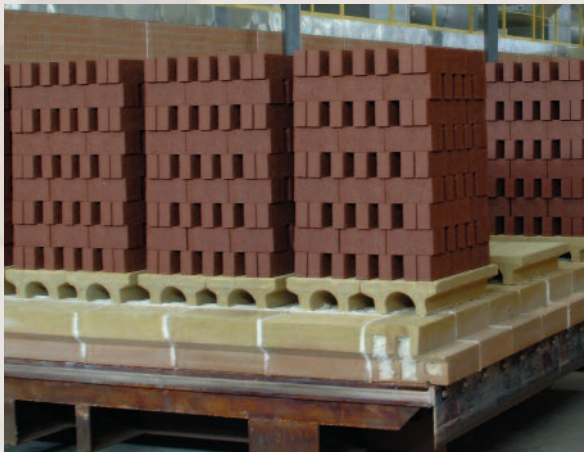
## Innovation



- Increased Energy Savings
- Maximum Reliability
- Lower Overall Costs

## Engineering Expertise

- Dedicated CAD design capabilities for kiln car refractory
- Customized thermal and structural analysis



Accu-Bloc Kiln Car

## Service

- Customer service is located at the manufacturing site, maximizing communication between end users and Clayburn
- Production time is minimized with in-house die manufacturing capabilities
- A combination of strategic inventory and fast turn-arounds exceeds customer needs

## Focus

- Kiln car refractory is a **primary** business at Clayburn

## Experience

- Over 200 years of combined kiln car service throughout Clayburn manufacturing, sales, engineering and customer service



Accu-Beam Inspection

*"Thanks so much for expediting our emergency request. Without your valued help and input we would not have met our kiln car repair schedule."*

Assistant Plant Manager

*"Clayburn's help with our car design saved us in two areas... initial refractory costs and overall fuel savings."*

V.P. Production

*"Clayburn continues to provide quality products, competitive pricing and timely delivery... they're a great supplier."*

Plant Manager