



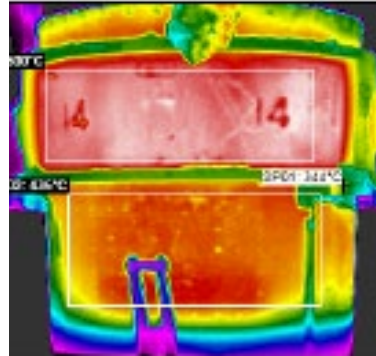
FC STEELBOARD

FC-Steelboard is an ultra high strength insulating board that provides superior crushing strength and insulating properties compared to traditional insulation products.

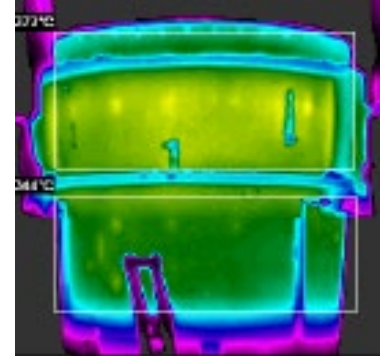
High Hot Crushing Strength reduces flexing of the refractory lining where most standard insulation materials are crushed to powder. As FC-Steelboard keeps its integrity throughout the vessel service life, a stable refractory system will be created leading to a more consistent refractory system (longer safety lining life), and predictable shell temperature

Decrease installation time with **FC-Steelboard Panels**. A 300MT ladle can be lined in ~2 hours.

BEFORE STEELBOARD



AFTER STEELBOARD



TECHNICAL COMPARISON

	STEELBOARD-LBP	STEELBOARD-HS	STEELBOARD-XS
Colour	Beige	Beige	Beige
Fiber Type	Non-RCF	RCF	RCF
Temperature Grade	2100°F (1148°C)	2300°F (1260°C)	2300°F (1260°C)
Recommended Operating Temperature	2150°F (1170°C)	2150°F (1170°C)	2150°F (1170°C)
Melting Point	3200°F (1760°C)	3200°F (1760°C)	3200°F (1760°C)
Density pcf (kg/m3)	52 (832)	66 (1057)	85 (1361)
Cold Crushing Strength (psi)	1000	2500	4000
Thermal Conductivity (Btu-in/hr ft ² °F W/m.K)	500°F/260°C	0.93 (0.13)	1.50 (0.21)
	1000°F/538°C	1.07 (0.15)	1.58 (0.23)
	1500°F/815°C	1.22 (0.17)	1.66 (0.24)
Shrinkage 24h @	1900°F (1038°C) < 3%	2450°F (1343°C) < 3%	2450°F (1343°C) < 3%

STANDARD SIZES

Standard Thickness:

10mm, 12mm

Standard Cross Section:

2"x16" (51mm x 711mm)

4"x16" (102mm x 711mm)

Panel: 16" x 28" (406mm x 711mm)

Wedge

Inquire About:

2912°F (1600°C) Grades

2450°F (1343°C) Grades

Other Custom Sizes

STEELBOARD BENEFITS

- Lower Shell Temperature
- Improved Ergonomics and Fast Installation
- Less Steel Penetration Between Bricks
- Improved Refractory System Stability Compared to Standard Insulation Systems
- Energy Savings
- Increase Ladle Volume
- Prolonged Steel Shell Life
- Tighter Brick Joints

TYPICAL APPLICATIONS

- LADLE
- TREADWELL / TORPEDO LADLE
- BOF
- TUNDISH
- ANY APPLICATION WITH EXTREME COMPRESSION OR ABRASION
- ROTARY KILN
- EAF
- LAUNDERS
- TROUGHS
- HOT METAL LADLE



Note: During the initial heat up of FC Boards and Shapes, a small amount of organic binder will start to burn out at approximately 450°F/232°C. Once this material has burned off, there will be no further off-gassing. Caution should be exercised during this period. Organic free products are available. The recommended operating temperature is determined by irreversible linear change, not the melting point. Store in a manner to minimize airborne dust. Data is based on results of tests conducted under standard conditions. Results are subject to variation. Results are presented as a guide only.

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