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THEIRMBOND® PRODUCT GUIDE

Thermbond® refractory products are a complete line of engineered refractory materials. Each Thermbond® product is a two-part system (dry formulation and liquid activator) added together to form a uniquely bonded refractory material. The features of this bonding system provide benefits that set Thermbond® apart from conventional materials.

More Production Time. Less Downtime. Superior Performance.

Formula Series	Al %*	Density (# / ft3) *	Max Temp (F) *	Application Properties §	Industries Served §
3	60	150	3000	Aluminum	Aluminum non-metal contact
4	90	170	3100	Abrasion – Compressive Strength	All Industries where strength required - aluminum metal contact wear areas
5	85	165	3000	Aluminum non-wet	Aluminum metal contact
6	60	150	3000	Mullite based – Thermal Shock	All Industries & Burner Tiles
9	55	140	3000	General purpose	All Industries
12	80	180	2300	Extreme abrasion – replace AA22 in hex-mesh	Petrochemical
15	60	150	3000	Ram grade of Formula 6 – Mullite	All Industries
18	94	180	3300	High quality tabular alumina – use in reducing environments	Petrochemical & All Industries
26	60% SiC	150	2400	Silicon Carbide	Power Generation
2102	40	120	2500	Medium insulating & medium abrasion	Aluminum Ladels
2104	90	180	3100	Abrasion for aluminum – upgrade to Formula 4	Aluminum
2125	40	120	2500	Medium insulating & medium abrasion	Petrochemical – FCCU
6-AL	65	147	2700	Better abrasion resistance for F6 series	All Industries
6-BK	62	145	3000	Self flow F6 series with poly fibers	All Industries
6-EK	64	145	3000	Self flow F6 with extended set-time	All Industries
2104-AL	81	180	2500	Improved abrasion to 2104-L - <3cc loss castable	Aluminum

* Information supplied is a general representation of the products within each Series. Actual data can vary between specific products within each Series
 § Listing is provided for information purposes only, not specification. Please contact your Stellar Canada representative for assistance selecting materials for your specific application.

INDUSTRIES SERVED

- ✦ Refining
- ✦ Non-Ferrous
- ✦ Zinc
- ✦ Precast Manufacturing
- ✦ Rock Products
- ✦ Die-Casting
- ✦ Boiler Manufacturing
- ✦ Mineral Processing
- ✦ Chemical
- ✦ Power Generation
- ✦ Primary Aluminum
- ✦ O.E.M. Furnace Builders
- ✦ Steel
- ✦ Incineration
- ✦ Secondary Aluminum
- ✦ Cremation





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Bulletin 0562

All Industries

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THERMBOND® PRODUCT GUIDE

Formula Series	A1%*	Density (# / ft3) *	Max Temp (F) *	Application Properties §	Industries Served §
Thermbrake 402	55% Si	50	1800	Light-weight insulating – foams up to fill voids	All excluding Petrochemical
Thermbrake 403	50% Si	60	1800	Light-weight insulating	All including Petrochemical
Heatbrake 508	60% Si	80	2800	Light-weight insulating – higher temperature rating	All including Petrochemical
Concrete 601	45	140	ambient	Ambient temperature concrete repairs	All Industries
Concrete 602	45	140	2000	Concrete repairs in hot exposure areas – not a refractory	All Industries

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THERMBOND® LETTER CODES

A	Abrasion	Abrasion resistance
B	Poly Fibers	For burners and faster firing areas
E	Extended Set Time	Even longer working time than 'L' versions Hot weather & longer pours
F	Fine Grain	Fine grain castable
G	Gunning	Formulated for gunite application – pre-dampening recommended
K	Self Flow	Self flowing castable
L	Longer Set Time	Generally twice as long working time as standard formulations Hot weather & longer pours
P	Patch	Can be mixed from wet slurry to almost plastic consistency
R	Ramming Plastic	Mixes to plastic consistency – apply with pneumatic ramming tool
W	Wash Coat	Thin slurry overlays

Fast Setting ♦ Fast Firing ♦ Chemical Bonding ♦ Thermal Shock Resistance ♦ Non-wetting

INDUSTRIES SERVED

- | | | | |
|-----------------|--------------------|------------------------|---------------------------|
| ☞ Refining | ☞ Non-Ferrous | ☞ Zinc | ☞ Precast Manufacturing |
| ☞ Rock Products | ☞ Die-Casting | ☞ Boiler Manufacturing | ☞ Mineral Processing |
| ☞ Chemical | ☞ Power Generation | ☞ Primary Aluminum | ☞ O.E.M. Furnace Builders |
| ☞ Steel | ☞ Incineration | ☞ Secondary Aluminum | ☞ Cremation |

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