

Product Comparison

	Autoclaved Aerated Concrete [1]	ATI-Composite Mineral Foam
Non-combustible & Fire Resistance	Yes Good	Yes Better (superior hydration = greater fire resistance ratings)
Compressive Strength	350 or 700 PSI	From 250 to 9,500 PSI – varies with density and application
Density	45 to 90 lb./Cu.Ft.	35 to 120 lb./Cu.Ft. easily adjusted to meet the need
Capital Investment Plant	From US\$25 - \$30 million with equipment, bricks and mortar facility	Less than \$5 million as low as \$600,000 for a single unit for transport to any job site.
Finished Cost Per Board	\$0.50 to \$0.75 Varies with Compressive Strength Density and Freight Charges extra	\$0.40 to \$0.60 Varies with Compressive Strength and Density Freight Included – cast on site
Feed Stock Flexibility & Nano-Fibres	No Portland cement, fresh water, fine sand & foaming agents.	Yes ATI Composite binders, water (fresh/salty/recycled), Agri-Fibre or ash, and/or sand, mine tailing.
Preparation	Cured under pressure with steam, which can result in higher energy costs & long production cycles.	Ambient cure- free flowing wet slurry, with no additional energy inputs.
Production Cycle	10 - 12 hours to complete	1 to 2 hours, then ambient cure during storage
Maximum Size Panels	2 ft X 20 ft. (autoclave)	Free-flowing wet slurry (flows to fill any size form or mould)
Structural Steel reinforcements	No	Yes: Cast into the panels during production for better strength & improved design flexibility.

[1] <http://www.hebel.com/html/com/en/918.php> - (October 19, 2009)