



AMETEK Specialty Metal Products launches highly efficient tri-ply metal clad plate for griddles under name FASTAL



Eighty Four, PA (23 June 2020) - Pennsylvania-based specialist roll-bonding clad plate manufacturer, AMETEK Specialty Metal Products (SMP), is strengthening its position in the food service equipment market with the introduction of FASTAL - its premium quality, three-layered clad metal plate product.

Designed for high performance commercial and residential griddles, the product offers excellent thermal conductivity and heat distribution properties. With faster heating times and a strong resilience to frequent temperature changes, it is the ideal material for electric or gas cooking surfaces.

FASTAL consists of three layers for optimal performance: stainless steel, aluminum, and stainless steel. The extremely durable stainless steel cooking surface is easy to clean and reduces sticking and flavor transfer. Aluminum has a heat transfer rate five times that of carbon steel, facilitating an even temperature distribution over the entire plate surface regardless of the heat source. Additionally, the stainless steel/aluminum product is one-third the weight of carbon steel, which facilitates installation and movement of the griddle.

AMETEK SMP employs a well-established roll bonding process to achieve a high metallurgical bond strength and can supply the premium product in custom sizes, small batch sizes, and short lead times. This roll-bonded clad plate can be cut to custom sizes easily to match precise griddle manufacturers' specifications, while maintaining bond integrity and performance.

Joe Capone, Director of Market and Product Development at AMETEK SMP, says: "We specifically developed our roll-bonded FASTAL clad plate to meet the growing demand in the griddle market. FASTAL delivers a uniform heating surface, faster heating up and cooling down times, and a stainless steel cooking surface. Our team is very excited to bring another roll-bonded product to the market."

The FASTAL name reflects the three-layer clad plate's core benefits and contents. "FAST" focuses the mind on the product's ability to rapidly respond to temperature changes cycling up and down as the griddle is used, while "ST" pays tribute to the "stainless steel" content and "AL" is taken from the aluminum core.

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Notes to Editors



- AMETEK SMP at Eighty Four in Pennsylvania has been a leader in developing roll bonding dissimilar metals for more than 50 years.
- The business also manufactures custom-made metal powders in specialty alloys and stainless-steel flakes.
- The advantage of clad materials is that the end product combines the superior properties of each metal: strength, corrosion resistance, lightweight, cost, and thermal conductivity. As a result, clad products produce a material superior to any of the individual metals taken alone.
- Clad metals produced by roll bond technology combine two or more metals into a single sheet or plate that can be cut, welded, or formed into a finished part, ranging from chemical processing chambers and pressure vessels to small applications and clad pipe.
- AMETEK SMP at Eighty Four specializes in cladding stainless steel or nickel alloys to carbon steel as well as triple layer clad plates bonding stainless steel to an aluminum core under the name FASTAL.
- With the big variety of cladding and backing materials available, AMETEK SMP serves a wide range of demanding industries including health; chemical and petroleum processing; defense; paper and pulp; food and food processing.
- Typical applications for clad materials include boilers, pressure vessels, steam vessels, cryogenic transition plates, ship building transition plates, industrial griddles, braising pans and specialty knives.

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