



Bio Mass Furnaces

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All Industries

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Alternative Fuel Furnaces

As energy costs rise and environmental issues become more pressing we are starting to see a shift towards more economical and environmentally friendly fuel sources. Waste-to-energy, biomass, bio-diesel and engineered fuels - catch phrases that are showing up on the global stage in larger numbers than ever before and look to become a dominant source of energy for years to come.

Each of these different energy production systems has their own unique refractory problems. The more sophisticated the generating system often the more complicated their maintenance issues. With the breadth and depth of the Thermbond family's 80+ formulations there is usually a specific product tailored to help.

Many industries have been using one alternative form of fuel or another for many years now to help combat high energy costs. Wood and wood waste, whether engineered or not, is one such fuel source that has been prevalent for many years. However, even this historic fuel has seen a good deal of development in recent years as more companies look towards alternative energy sources.

Thermbond Performance

Thermbond has traditionally performed well within different biomass furnaces. Excellent resistance against thermal shock and thermal cycling helps Thermbond resist the uneven and sometimes inconsistent heating within these units. Good chemical resistance for different feedstocks. Thermbond's fast firing capabilities have compensated for heat up schedules that are very difficult to control with many of these furnaces

- **Fast Setting**
- **Fast Firing**
- **Bonds to Existing Refractories**
- **Thermal Shock Resistance**



End Wall Reline with Thermbond Formula 6L in a wood waste feed furnace. Insulating board installed ready for Thermbond hot face.



Thermbond Formula 6L formed and cast in the discharge end wall.



Looking from the discharge end towards the burning zone end wall.



The completed repairs with floor augers replaced.

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