

Benefits of Coal Ash-Composites

- Safe reuse of Coal Ash
- Uses large percentages of Coal Ash ($\geq 75\%$ Wt.)
- Ash-composite is safe (No/Limited Leaching of hazardous inorganics)
- Uses internal chemical energy to cure (Reduced carbon footprint)
- No-emissions, no-waste produced, and the products can be recycled
- Lighter weight products (Density between 0.2 to 1.2 g/cc)
- Resistant to fire, termite, pests, mold and fungus
- An electrical and thermal insulator
- Low thermal expansion coefficient
- Low moisture absorption
- Machinable, paintable and nailable
- Suitable for continuous and batch production depending on the complexity of the product
- Products could be manufactured near/on the ash site
- Technology has been patented and some additional applications filed
- Available for Technology transfer, training and product development for clients