

Technical Specialist



Advanced Material Technologies Pty Ltd was established in 2010 and is headquartered in Shellharbour NSW Australia. We are a leading trading company in Australia supplying a wide range of high temperature commodities, equipment systems and raw materials to users in environmental, mining, metallurgical, iron, steel, glass, petro-refineries, power generation, cement and lime, mineral processing, chemical, civil, and other industries in Australia and as well as to customers in Oceania and SE Asian countries. Advanced Material Technologies Pty Ltd operates within a Worldwide network of business relationships offering commodities, equipment and raw materials from USA, China, India and European countries. The business specializes in supply of innovative water conditioning systems to prevent scale and corrosion, fuel treatment systems for oil and gas, ceramic coatings for boilers and high temperature equipment, advanced ceramics for wear resistance, alloys, metals, minerals like graphite electrodes, refractories and other materials, metals and minerals. In addition to our trading activities, Advanced Material Technologies Pty Ltd (AMT) is well known for its service, quality, price and delivery. The company can stock materials based on terms and contract arrangements where applicable.

We offer a complete refractory material supply and services package.

The prime functions of AMT are:

1. Material Selection
2. Stock management
3. Procurement of materials
4. Technical services and support
5. Refractory inspection services
6. Quality Assurance of materials

AMT offers Multi-Service Expertise for all Refractory and High Temperature applications:

We have always strived toward satisfying our clients with solving refractory problems with cost effective solutions and improved performance. Our experience covers a wide range of furnaces and plant configurations and includes the following:

- Primary Non ferrous plants – lead, zinc and copper
- Integrated Iron and Steel plants
- Primary Aluminium smelter and refinery plants
- Cement and Lime plants
- Electric arc furnaces
- Shaft Kilns
- Copper flash furnaces, Converter Melting furnaces
- Tunnel kilns, Fluid Catalytic Furnaces, Reformer furnaces
- Boilers, Sulphur reactors, crematorium furnaces
- Rotary kilns, Roasters and Calcination furnaces
- Incinerators, Pressure leach tanks
- Heat treatment furnaces
- Acid plants, Coke Ovens
- Furnace Transfer Launder and equipment
- Civil Engineering

AMT has established outstanding supply relationships with local and international refractory manufacturers with a 5 star rating. This would ensure the supply of a wide range of high quality premium grade high temperature materials supported by competitive pricing. With the financial interest of our clients we can manage a refractory store for our clients, provide consignment stock, procurement and stock management services.

AMT provides all types of refractory, including dense alumina and basic bricks, insulating light weight and dense gunning and /or casting grade castables, rapid repair Thermbond and Phoscrete technology castable with no dryout requirement, low cement castables, refractory ramming masses and shotcreting castables.

Commissioning

Commissioning schedules for hydraulic castables and specialties are developed to provide a controlled dry-out and heat-up in accordance with material specification for all refractory materials used in the installation project.

Safety and Environment Expectations

Advanced Material Technologies Pty Ltd is committed to meeting your expectations in a safe, responsible and environmentally friendly manner that respects the safety and health of our employees, customers and the communities in which we operate.

Our Long Term Focus:

We are committed to establishing long term partnerships with our clients and customers.

Related Services

- High wear abrasion resistant precast shapes
- Surface preparation and protective coatings
- Advanced ceramics engineering
- Installation services
- Special wear and abrasion resistance refractory and ceramics
- Corrosion and erosion wear resistant coatings