

Titanium Fast Facts

Titanium is:

- An element with the chemical symbol Ti.
- Named after the Titans of Greek mythology.
- Found in the minerals rutile, ilmenite, titanates and many iron ores.
- Ninth most abundant element in the Earth's crust.
- A lustrous white metal with a low density, high strength and excellent corrosion resistance.
- Strong as steel but 45% lighter.
- The only element to burn in Nitrogen and also burns in air.
- Exists in oxide form as a fine, white powder which is readily available on commercial chemical markets.
- Able to be alloyed with aluminum, molybdenum, manganese, iron and other metals.
- Used in aircrafts, and defense and aerospace industries because of its favorable strength, weight and temperature resistance.
- Used in naval applications as a result of its resistance to corrosion and salt water.
- Used in many applications as a pigment because of its indelible white colour.
- Used in titanium oxide paints which are very reflective of infrared light making them ideal for solar observatories where heat affects viewing conditions.



Titanium – Image courtesy of Mineral Information Institute

For more information on titanium see [Geoscience Australia Mines Atlas](#)

