

# SLAG (BLAST FURNACE OR IRON SLAG)

Slag is the rock left over after a desired metal has been separated from its raw ore. Iron Ore, coke and flux stone are put into a blast furnace and reduced to a molten mass by great heat.

Blast Furnace Slag is produced three ways:

- 1. Air-Cooled Slag** – cooled under atmospheric conditions and accelerated by water sprays.
- 2. Expanded Slag** – cooled with controlled quantities of water to produce a lightweight product.
- 3. Granulated Slag** – chilled quickly to form a glassy granular product.

WHERE IT IS FOUND:



**USES:** Slag is used as an aggregate in road base fill, concrete, asphalt, concrete blocks, cement production, rock wool insulation, commercial roofs, railroad ballast, glass production, agricultural lime and silica fertilizer.

**COLOR:** Slag can be a range of colors depending on how it is produced, but is mainly white or grey. It can also be different shades of green/blue, and have a smooth glassy texture.

**FUN FACT!** Did you know? Many of the runways and taxiways at the Detroit Metro Airport are built on a slag base and slag is used extensively in the concrete pavement.