

**DESCRIPTION:** FLY ASH is the best known and one of the world's most commonly used pozzolans. Physically, it is a very fine, powdery material, predominantly SiO<sub>2</sub>, with particles almost totally spherical in shape. Today's FLY ASH is a by-product of burning finely ground coal in electricity generating power plants. It is captured from the exhaust gases of the plants by electrostatic precipitators or bag houses, leaving cleaner air to escape from the smoke stacks.

---

**USES:** FLY ASH is widely used today as a cementitious material in the production of a great variety of concrete mixes. The advantages of using FLY ASH in concrete are detailed in Pozzolanic Technical Bulletins. Briefly they include:

- Increased compressive strength
- Increased workability
- Reduced water/cement ratio
- Increased durability
- Decreased permeability
- Reduced sulphate attack
- Decreased bleeding and segregation
- Reduced shrinkage
- Reduced heat of hydration
- Reduced harmful cement / aggregate reaction such as alkali-aggregate reactivity.

The fine spherical shape of FLY ASH particles has a beneficial effect on the workability of concrete. The shape allows the concrete to move more freely and the fine particle size allows better filling of the voids.

---

**TECHNICAL DATA:** FLY ASH meets CSA A 3000-98 for Class CI FLY ASH and ASTM C 618-98 for Type F FLY ASH. Technical bulletins are available.

---

**PACKAGING:** FLY ASH is packaged in 30 kg (66 lb.) triple-lined paper bags. Bulk bag packaging is also available on request.

---

**SAFETY PRECAUTIONS:** Normal safety wear such as rubber gloves, dust masks and safety glasses, used to handle conventional cement-based products, should be worn. Material Safety Data Sheets are available upon request.

Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.