

# FLY ASH

A recycled material that enhances your mix, Fly Ash is a fine powder that comes from coal combustion, typically resulting from power generation, and one of the most commonly used pozzolans in the construction industry. Pozzolans are siliceous or siliceous/aluminous materials which can form cementitious compounds when mixed with cement and water.

Fly Ash provides a significant contribution to sustainable construction and can contribute to the achievement of LEED (Leadership in Energy and Environmental Design) points. Its use in concrete production consumes less energy and offers improved efficiency and building performance. For each ton of Fly Ash used in place of traditional cement, a reduction of roughly 0.9 tons of carbon dioxide is achieved.

## **Applications:**

### **Concrete**

**Concrete Products Structural fill**

**Stabilization of aggregate bases**

**Soil stabilization Soil drying**

### **Benefits**

Enhanced workability and consolidation of concrete

Increased flexural and compressive strengths

Improved pumpability

Reduced drying shrinkage

Decreased bleeding and segregation

Diminished permeability

Better resistance to ASR and sulfate attack

Lower water requirements