

## Technical Data Sheet

**PRODUCT DESCRIPTION:** Activcem is a powdered accelerating admixture for ultra-low carbon concrete applications.

It activates industrial by-products, such as fly-ash and slag, in order to replace up to 80% of the Portland cement used to produce concrete. Benefits include significant CO<sub>2</sub> reduction, increased durability, reduced shrinkage, lower costs, lower heat of hydration, and improved concrete properties. It is specifically designed for use as an accelerating admixture and is fully compatible with major chemicals and additives used in concrete admixtures.

### FEATURES:

- New generation of accelerating admixtures
- High cement replacement ability
- Versatile activator

### BENEFITS:

- Ultra-low carbon cement and concrete
- Increased productivity
- Reduced costs
- Lower heat of hydration
- Increased density
- High-early strength

**DOSAGE:** To produce ultra-low carbon cement and/or concrete, Activcem replaces 6-8% of the overall cementitious material.

The amount of fly ash or slag used is engineered according to the requirements of the finished product or project. Trial batches should be performed to determine the most efficient dosage.

Activcem can be pre-blended with cement, or added directly at the Precast or Ready Mix plant.

**Standard Packaging:** Bulk Deliveries; Totes and Bags

**APPLICATIONS:** Activcem's uniqueness is its versatility, and can be used in virtually all forms of construction; from industrial complexes to homes, schools, airports, roads, bridges, high-rises, and tunnels. Activcem meets or exceeds all applicable physical and chemical requirements of ASTM C494 Type C.

Activcem is an accelerating admixture. In standard conditions, Portland cement reduction of up to 80% is achieved. Activcem performs in Ready Mix applications as well as Self Compacting Concrete (SCC) and in Precast applications.

**HEALTH AND ENVIRONMENTAL DATA:** Please refer to the Material Safety Data Sheet.

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