

Integral Concrete Hardener is a dry powdered material, which is added integrally into the concrete mix during the batching process. The additive is engineered to provide concrete with superior hardness and improved durability for demanding construction projects. It has the unique ability to enhance the integrity of air-entrained and non air-entrained concrete. Integral Hardeners provide advantages in industrial, transportation and water resources projects, with applications such as paving, bridges, parkades, industrial floors, super-flat floors, precast pipe, dams, spillways, stilling basin.

Advantages

- Improves abrasion and erosion resistance
- Extends concrete wear life 2-6 times under harsh conditions
- Enhances durability of air entrained and non-air-entrained concrete*
- Lowers installed cost*
- Expedites construction schedules*
- Reduces maintenance costs and improves concrete sustainability
- Improves worksite safety and conditions (dust free)*
- Improves quality control*
- No side effects on concrete water demand, workability, set time, strength development or shrinkage
- Outperforms and overcomes deficiencies of labor intensive surface applied hardeners*

**compared to surface applied (dry shake) hardeners*

How it Works

When added to concrete, the Integral Hardener technology increases the hardness of the concrete paste and reduces fine and coarse aggregate exposure that creates degradation to concrete surfaces. Since it is integral, it continues to offer surface wear resistance throughout its life.

Applications

Can be used in Ready Mix or Shotcrete concrete on any horizontal, vertical or inclined surfaces.

- Industrial
- Commercial
- Agriculture
- Infrastructure
- Hydro
- Civil
- Manufacturing
- Recreational (rinks)

