



**New horizons for self-consolidating concrete.**

**SELF-CONSOLIDATING CONCRETE**



[Lafarge.ca](http://Lafarge.ca)



# AGILIA®

Agilia is a range of technologically advanced self consolidating concretes that can help builders accelerate construction schedules. The proprietary technology used in our Agilia concrete mixes allows it to flow cohesively under its own weight. It delivers excellent quality concretes with superior surface finishes compared to traditional materials – without the need for vibration and reduced manual placement efforts.

Easy to place and very fluid in nature, Agilia concretes speed up pouring work as the concrete flows and spreads effortlessly into formwork. This makes Agilia a great product to work with that is suitable for various mid to high rise building construction applications, including architectural work, piles and foundations, horizontal and vertical structural elements, facades and even toppings and screeds.



## FEATURES

### Easier to Place

The highly flowable characteristics of Agilia concrete eases placement significantly. By reducing the number of pour points, and eliminating the need for vibration, safety and working conditions are improved on the job site. Structures with complex configurations can be poured with ease, especially where very long formwork or heavy reinforcement is involved. Quicker to place than standard concrete, Agilia quickly flows through and envelops reinforcing cages more effectively in deep foundation applications. For horizontal applications, Agilia's impressive flowability ensures swift and easy coverage of large surfaced and flat toppings. In unique piling applications, Agilia has been proven an ideal solution that alleviates segregation concerns.

### Application-Driven Portfolio

Highly adaptable to various construction applications, we have a number of mixes as part of our Agilia product family that are suited for all types of applications:

#### Agilia Architectural:

Agilia Architectural offers a high quality surface that reduces rubbing and patching requirements, along with sharp lines for intricate formwork applications.

#### Agilia Vertical:

With exceptional ease of placement and well suited to areas of congested rebar, Agilia Vertical requires no vibration and meets high quality surface requirements.

#### Agilia Horizontal:

Specially formulated to enable quick fabrication of slabs and floors, our Horizontal product offering reduces required manpower thanks to its quick pouring times.

#### Agilia Foundation/Civil:

Ideal when placement requires enhanced workability/flow with enhanced performance.

#### Agilia Industrial/Civil:

With low heat of hydration and high flow, this concrete is ideally suited to continuous flight auger piles and additional mass concrete and foundation requirements.

## CONSTRUCTION BENEFITS

### Increased Flow

- Flows easily through highly congested, heavily reinforced areas
- Adaptable to a wide variety of construction applications
- Ideal solution for areas with difficult access and complex formwork configurations

### Self-Consolidating

- Assures consolidation without segregation
- Attains level surface with minimal effort
- Satisfies a wide range of formwork stripping requirements

### Job Site Flexibility

- Yields superior surface quality with reduced finishing work, reducing effort and labor on site
- Improves safety and working conditions
- Adaptable to any concrete placing technique – pumping, chute, bucket and tremie in either cast-in-place or precast operations



## OWNER BENEFITS

### High Quality Surface Finish

- A higher-quality surface than offered by traditional concrete
- Achieves a consistent finish appearance: rubbing, patching and discoloration are minimized
- Highly fluid in nature, Agilia will replicate the form surface or special mold textures, resulting in a beautiful ready-to-paint surface

### Economical

- The need for vibration is eliminated, improving safety and noise on site
- With reduced finishing work required, Agilia helps reduce labor and associated costs on the job

### Accelerated Construction Schedule

- Agilia speeds up concrete work due to fewer concrete delivery points, less placing labor, and no vibration
- Reduced pouring time and patch/rub requirements
- speed up construction schedules