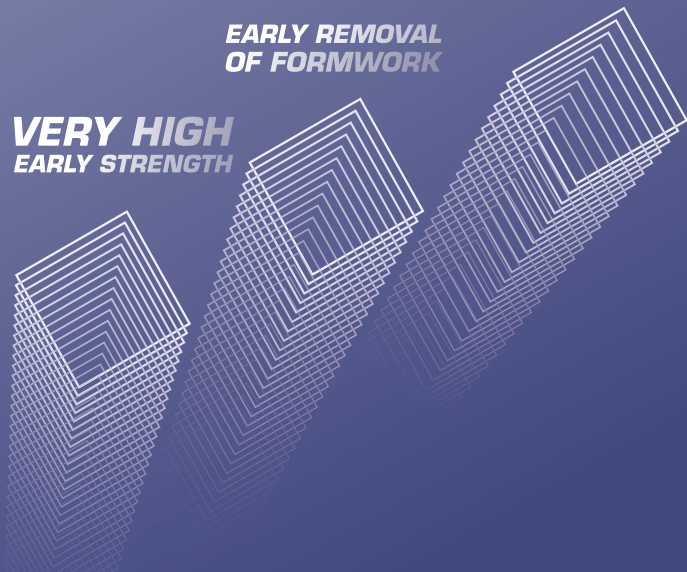




**ACCELERATE
CONSTRUCTION**

**EARLY REMOVAL
OF FORMWORK**

**VERY HIGH
EARLY STRENGTH**



Customer -driven innovation

Each second Lafarge delivers concrete to one of countless construction projects around the world. Every day 1,200 technical sales representatives from Lafarge interact with customers at over 6,000 different sites. Innovation is our way of addressing the needs we encounter through these interactions.

Our research and development teams are dedicated to innovation, exceeding even the greatest demands of our clients. Our new concretes attain new levels of technical performance and anticipate changing industry requirements. Each new product is designed to be more effective in the construction process and help our clients achieve greater success.



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**Faster concrete
construction**



bringing materials to *life*

Benefits of Chronolia™

Chronolia™ concrete technology enables easy placement and high early strength gain. Chronolia™ responds to the needs of contractors and designers by allowing them to gain time and save money.



A real boost for performance!

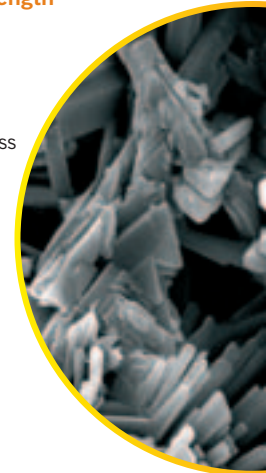
The innovation Chronolia

1 VERY HIGH EARLY STRENGTH

Chronolia achieves **rapid high early strength without affecting normal placement procedures** as slump retention of two hours is maintained.

Chronolia™ has succeeded in combining two contradictory behaviors that customers consistently demand on site: **2 hours workability*** and **early strength gain**. This is achieved by:

- **Optimizing the mix formulation**
 - Results in better control of the hydration process
 - Allows for more consistent slump retention out performing other high early strength systems.
- **The introduction of innovative accelerating systems** allows for early strength gain achieving durability & long-term strength.

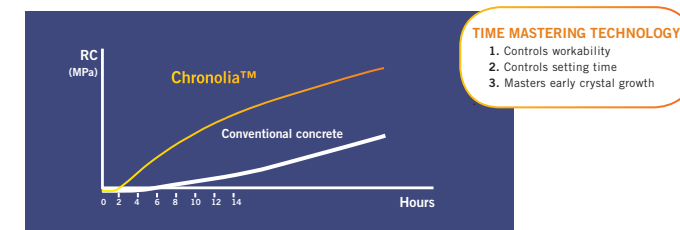


2 Early Formwork REMOVAL

With Chronolia, **stripping strength can be achieved as early as 4 hours*** depending on the application.

3 ACCELERATE CONSTRUCTION

Significant time can be saved by **optimizing building processes on all construction sites.**



*4 hours stripping time is 4 hours from the time the concrete is batched.

*2 hours workability is 2 hours from the time the concrete is batched.

Possible double daily rotation for any type of formwork

Optimization of time
- better use of formwork
- regain time lost due to weather, breakdowns, etc.

Faster loading of structural elements (columns, beams, walls, floors)

Opportunities to regain programme time lost due to weather, breakdowns, etc.

Offering a wide range of products that will allow for a stripping time as soon as 4 hours after batching & strengths reaching 20-25 MPa in 24 hours and 20-35 MPa in 48 hours

Opportunity for LEED® credit points

Build faster... maintain quality