

CONCRETE



CHRONOLIA

FAST TRACK WITH CONCRETE



LAFARGE
Building better cities™

*Faster concrete
construction*



A member of
LafargeHolcim



Benefits *of Chronolia™*



Chronolia™ concrete technology enables both easy placement and very high early strength gain.

Chronolia™ responds to the needs of contractors and designers by allowing them to gain time and save money.

Possible double daily rotation
for any type of formwork

Optimization of the time

***Build
faster...
maintain
quality***

Faster loading

(columns, beams, walls, floors)

***Increase productivity
of on-site construction***

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



A real boost for performance!

The innovation Chronolia™

1

VERY HIGH EARLY STRENGTH

Chronolia™ offers the user-friendliness of a fluid concrete, also maintaining 2 hours of slump retention, the innovative characteristics of Chronolia™ combined with **this allows very fast strength gain.**

Chronolia™ has succeeded in combining two contradictory behaviours that customers consistently demand on site : **the 2h of workability and the early hydration growth.** This is achieved by:

- **optimizing the microstructure of the concrete at early age** by fine tuning the growth of the initial hydration process,
- **stretching out the workability time** without disturbing the first phase of mineralization using new additives,
- **working with innovative accelerating systems**, enabling good durability, performance and acquisition of long-term strength.

2

EARLY REMOVAL OF FORMWORK

With Chronolia™ **a range of high strength can be reached between 4 to 8 hours depending on the application** (lifting of beams, release of formwork, etc.)



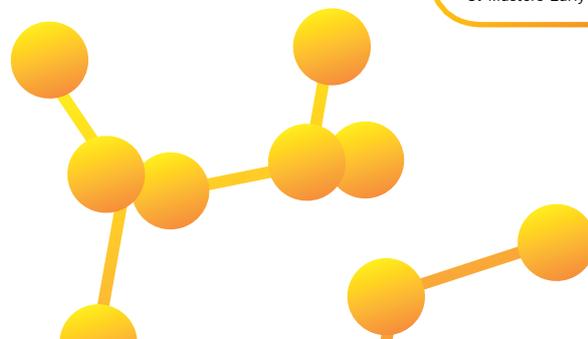
TIME MASTERING TECHNOLOGY

1. Controls Workability;
2. Controls Setting time;
3. Masters Early Crystal Growth.

3

ACCELERATE CONSTRUCTION

Significant time is saved **optimising building processes on all construction sites.**





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.

Lafarge South Africa

35 Westfield Road,
Longmeadow Business Estate Ext 11, Edenvale, 1609

Tel: 0860 LAFARGE / 0860 523 274

or 0861 LAFARGE / 0861 523 274

Fax: 086 631 0006

www.lafarge.co.za