

UltraTM series



WCAN READY MIX CONCRETE

UltraSeriesTM Concrete and Performance Enhancing Products

Lafarge products are tailored to meet our customers needs in any situation.

This is accomplished with a clear “Good, Better, Best” structure to our Product Offer.

GOOD — Lafarge Select Concrete products meet industry standard in all respects and come with our superior service and field quality coverage. This group of products includes all the local industry products such as Duramix®. Consistent, reliable, classic.

BEST — Our best products are the result of our Innovation approach. These are the Advanced Product family including; Agilia, Artevia, ExtensiaTM, and ChronoliaTM. These are very high performance products but they are not always the most appropriate solution for your construction challenges.

SO WHAT IS “BETTER”?

UltraSeriesTM is a set of Performance Enhancing Products and Performance Enhanced Designs. This product offer fits between Select and Advanced. It is our “Better” family.

The Performance Enhancing Products can be introduced to any Ready Mix.

Many are additional products such as FiberPlus or Delay Set that our clients may be familiar with.

So what is different?

- Focus shifts to the performance improvement
- Compatibility is guaranteed
- Concrete strength is recognized

Other UltraSeries Products have Performance Enhancements that are part of the total design such as UltraSeriesTM Pervious. All products have been reviewed by Lafarges Product Development group for full compatibility* with Lafarge’s admixture and design programs.

All products are presented in a table format with clear product codes and prices to allow you to select the level of performance you are looking for.

UltraSeries Performance Enhanced Designs include;

- Pervious
- Watertight

Lafarge and Innovation. We continue to introduce new products for our clients and making it easier for our customers to get the product performance they need.

*Compatability will be at the discretion of Lafarge



How to ensure a successful installation
Look to UltraSeries Performance Enhancing Products and Designs to increase your performance and reduce your risks.

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Introduction of Lafarge Product Development and Quality Assurance Services.



Why does CSA matter to me?

Canada is a very harsh environment for concrete. Leading industry experts contribute to CSA A23.1 on a continuous basis to ensure that a guideline exists in Canada representing the minimum material performance requirements for concrete. Using concrete that meets or exceeds CSA requirements is a must. All UltraSeriesTM Products meet or exceed CSA requirements.

FAQ

ULTRASERIES™ PERFORMANCE ENHANCED PRODUCTS

“ SHOULD I ASK FOR A SPECIFIC ADMIXTURE? ”

NO ... Ask for the Performance that you want and we'll deliver. If you want added flow, slower setting, reduced permeability, just ask.

Lafarge manages all the inputs and technology required to meet your needs and ensures compatibility and availability.

“ IS THE PRICE FOR THE PERFORMANCE IMPROVEMENT THE SAME FOR ALL CONCRETES? ”

NO ... Pricing for UltraSeries™ Enhancers is based on the MPa of the main concrete.

Each technology is presented as a table and uses cubic meters as the unit of measure making it simple to understand and request.

“ CAN I USE THESE TECHNOLOGIES ON ALL YOUR PRODUCTS... ”

YES! These products are intended to bolt-on performance as you need it.

These add-ons will improve concrete performance to a level one step below Advanced Product capability!

We'll be sure to advise you on the most effective combination of products to achieve the performance you demand without overspending to get it.



FLOW

With Rheologik Technology, Flow will quickly modify the flow of the concrete that you are ordering. When you improve the flow, you save time, reduce vibration, reduce risk of fatigue and injury. All without the addition of harmful water.

Available in Level 1-3

** Not applicable to Agilia, Chronolia, Extensia.

QUICK SET

When temperatures drop, look to Quick Set to keep your productivity where it should be. These products are non-chloride and compatible with Sulphate Resistant requirements. They will not add chlorides to your concrete that may contribute to internal corrosion.

Available in Level 1-3 in 5 strengths.

COMMAND SET

If Sulphates and steel are not a concern, simply ask for Command Set to keep your productivity in check. When temperatures drop, look to Lafarge to maintain temperatures and to accelerate setting to keep you productivity where it should be. These products are chloride based and are not compatible with Sulphate Resistant Cement.

Available in Level 1-3 in 5 strengths.



DELAY SET

When you know that more time to place and consolidate the concrete would be beneficial, try Delay Set. This product can be added for long distance hauls, hot days, and whenever you need more time to get the concrete in place before setting begins.

Available in Level 1 & 2 in 5 strengths.



REDUCED SHRINKAGE

For horizontal and vertical applications, reduce the amount of shrinkage and therefore cracking by up to 60%. Consult your local sales rep to determine the Level required to affect the shrinkage performance of the concrete you are working with. For plastic shrinkage performance improvements, look to Flow and FiberPlus.

Available in Level 1 & 2 in 5 strengths.

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ANTI-ABRASION

For improved surface hardness, ask for UltraSeries™ Anti-Abrasion. This is an integral hardener that works with all concrete designs. It eliminates the need for hand or machine spread surface hardeners. Anti-Abrasion improves typical concrete surface hardness and reduces the risk of delaminating.

Available in a single level for all concretes.

ANTI-WASHOUT

For concrete exposed to flowing or penetrating water during placement, consider UltraSeries™ Anti-Washout. Improve the ability for any concrete to maintain its paste ratio when being placed in piling, piers, footings and other structures found in some of the most challenging environments.

Available in Level 1 & 2 in 5 strengths.

FIBERPLUS - POLY AND STEEL

No matter what you do, concrete cracks. By using proper construction practices and selecting the right products to use, you can influence where the cracks occur and how visible they may be. With UltraSeries™ FiberPlus Poly reinforcement, you can effectively spread plastic shrinkage tension and dramatically reduce the width and therefore visibility of plastic shrinkage cracking. Take a careful look at your current use of secondary reinforcements such as WWM and WWF. Do they normally end up on the ground? Choose to build

the secondary reinforcement in to the concrete and have Lafarge deliver it. Buy your primary and secondary reinforcement from Lafarge and save time and money!

Poly— 5 Products available

Steel—1 Product in 4 dosages available



ULTRASERIES™ PERFORMANCE ENHANCED DESIGNS

“BETTER” INCLUDES GOOD CONCRETE DESIGNS TO MEET CHANGING NEEDS THAT ARE NOT ALWAYS TECHNOLOGICAL BREAK-THROUGHS!

Here is a list of our UltraSeries™ Performance Enhanced Designs

WATERTIGHT

For structures that need to have an added level of protection for steel reinforcement or are meant for liquid containment, choose UltraSeries™ Watertight. Watertight includes improved performance in shrinkage, permeability, plus a self healing component. We guarantee compatibility and setting times.

PERVIOUS

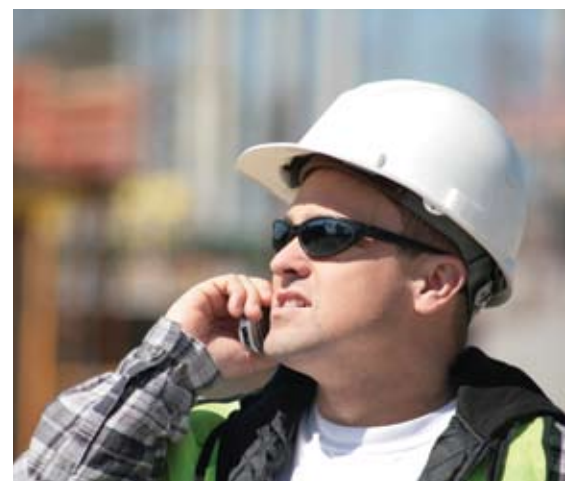
To help designers meet new demand for improved site water management, Lafarge introduces a line of UltraSeries™ Pervious to meet your paving needs.

LIGHTWEIGHT

With the ability to produce lightweight concrete that has low density in combination with normal compressive and flexural strengths. This give the designer the opportunity to design light structures or renovate old structures with less risk.

HEAVYWEIGHT

For ballast or for radiation shielding, Lafarge offers concrete up to 3000kgs per m3. All testing is complete.



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INNOVATION AND LAFARGE'S CENTRE DE RESEARCH

Innovation is a large part of Lafarge's offer to its customers. We have the single largest Research and Development facility for concretes and cements in the world, Centre de Recherche (LCR), in Lyon France.

At LCR, Lafarge takes ideas and turns them into reality. Agilia, Ductal, Extensia, Chronolia, and numerous other technical developments that are employed in Lafarge Ready Mix facilities on a daily basis.

As part of our Technical Structure, we employ a "receive and deploy" strategy. Our Western Canada, Regional Lab in Richmond, BC plays this role.

Richmond receives the technology developments from LCR, redevelops our new knowledge with materials from across Western Canada, and then actively participates in the deployment to every branch plant that we have in the region.

Our Richmond Lab is CSA Certified Level II. A level achieved by only a few organizations in Western Canada. It is fully equipped and staffed with the sole objective of getting products to our customers that have a direct impact on our clients' profit and success.

**FOR MORE INFORMATION AND A VIRTUAL TOUR,
CHECK OUT WWW.LAFARGE.COM**



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LAFARGE
bringing materials to *life*