

UltraFinish™ 1L

Integral Concrete Finishing Aid and Viscosity Modifying Admixture Specifically Designed for Type 1L Cement

PRODUCT INFORMATION

PACKAGING

Packaged in 275 gallon totes, 55 gallon drums, or bulk shipment available.

SHELF LIFE

12 months from date of manufacture.

STORAGE

Care should be taken to prevent **UltraFinish™ 1L** from freezing at temperatures below 35°F (2°C). Freezing will result in the **permanent de-activation** of the product.

SPECIFICATIONS/ COMPLIANCES

ASTM C494 Type S
AASHTO M 194 Type S

DESCRIPTION

UltraFinish™ 1L is a non-chloride, non-corrosive integral performance enhancing admixture designed for use with concrete containing Type 1L Portland Limestone Cement. When added to the mix, concrete is more stable and resistant to segregation.

UltraFinish™ 1L enhances and improves the performance of plastic and hardened ready mix concrete.

UltraFinish™ 1L allows contractors to place and finish concrete at designed w/c ratios with ease.

No jobsite water addition is needed to enhance concrete workability. Finishers can maintain control of surfaces, even in adverse weather conditions such as high wind and rapid evaporation, eliminating the need for topical finishing aids including water.

UltraFinish™ 1L helps achieve denser, more durable, and longer lasting concrete surfaces.

PERFORMANCE BENEFITS

- Improve finishability and workability
- Enables the production of self-compacting concrete
- Enhanced slump retention for reduced jobsite retempering
- Reduces segregation in high slump mixes
- Increases viscosity
- Reduce the potential of plastic shrinkage cracking, curling, and crazing
- Eliminate topical curing
- Surface densification and permeability reduction
- Retention of surface moisture
- Maintain finishing control in dry conditions and direct sunlight applications
- Allows for placement of lower w/c ratio concrete for enhanced surface durability
- Added benefits when used co-actively with **Impede® IntraSeal** integral water repellent.

DOSAGE RATES AND DIRECTIONS FOR USE

UltraFinish™ 1L is recommended for use at a dosage rate of 4 - 12 oz/cwt of cementitious material. (260 - 780 mL/100 kg)

When **UltraFinish™ 1L** is used in combination with **Impede® IntraSeal**, the combined effects allow for an effective dosage of **Impede® IntraSeal** at 4 oz/cwt.

Higher dosages of **UltraFinish™ 1L** and **Impede® IntraSeal** are acceptable with prior testing and confirmation of the desired performance with specific materials used.

For best results, **UltraFinish™ 1L** should be introduced with final batch water. Additional admixtures must be batched at separate intervals, and should not come in direct contact with any other admixture until they are mixed in the concrete batch. Admixtures should not come in contact with any dry cementitious material.

TECHNICAL NOTES

When using **UltraFinish™ 1L**, curing of the concrete is not necessary to optimize its strength. However, there can still be benefits achieved by using a solvent based acrylic cure and seal. Such a product can prevent deicing salts from coming into direct contact with the surface of the concrete, thus allowing the concrete to gain durability over the important first two years of its life.

UltraFinish™ 1L is compatible with Portland cements, Portland limestone cements, blended cements, class C and F fly ash, slag cements, silicafume, calcium chloride, and fibers. **UltraFinish™ 1L** can be used in all white, colored, and architectural concrete.

PRECAUTIONS/LIMITATIONS

UltraFinish™ 1L will not correct errors resulting from improper placement and finishing. Proper mixing and proportioning of mixes must be incorporated. Mixes should be designed and tested to meet expected performance specifications at the point of placement such as air content, slump, strength, set times, and any other desired result. Premiere Concrete Admixtures is not responsible for incorrect use of **UltraFinish™ 1L**.

This product does not contain calcium chloride or chloride containing compounds, and any chloride ions present are in trace amounts resulting from municipal water used during the manufacturing process.

This product is compatible with most other admixtures when added to the mix separately. Always conduct trial batches, prior to job applications, to confirm compatibility and to verify mix results. Contact your technical sales representative before dosing outside of recommended ranges or for assistance with specialty applications.

In all cases, consult the safety data sheet prior to use.