

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 colloidal silica admixture designed to enhance the performance of concrete containing Type 1L Portland Limestone Cement.

UltraFinish™ 1L is a non-chloride, non-corrosive additive that 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. Workability is increased without requiring additional water. Finishers can maintain control of surfaces, even in adverse weather conditions such as high wind and rapid evaporation.

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

PERFORMANCE BENEFITS

- Prevents the rapid migration of internal water.
- Promotes early internal curing through water retention. Does not replace an ASTM C309 topical curing compound.
- Improves viscosity for exceptional finishability
- Can be used as a viscosity modifier in the production of self-consolidating concrete.
- Enhanced slump retention for reduced jobsite retempering
- Reduces segregation in high slump mixes
- Promotes early and more efficient cement hydration
- Reduces the potential for plastic shrinkage cracking, curling, and crazing
- Surface densification and permeability reduction
- 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

UltraFinish™ 1L is compatible with Portland cements, Portland limestone cements, blended cements, class C and F fly ash, slag cements, silica fume, 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.

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