Rev 06.2023

UltraFinish® A1

Viscosity Modifying Admixture for Concrete

PRODUCT INFORMATION

PACKAGING

Packaged in 55 gallon drums, 275 gallon totes, and in bulk.

SHELF LIFE

18 months in original unopened container.

STORAGE

UltraFinish® A1 freezes below 20°F. Although freezing does not harm **UltraFinish® A1**, precautions should be taken to protect it from freezing. If it should happen to freeze, thaw and reconstitute with mechanical agitation. **Do not use pressurized air for agitation.**

SPECIFICATIONS/COMPLIANCES

DESCRIPTION

UltraFinish® A1 is a viscosity modifying admixture (VMA) designed to enable the production of self-compacting concrete. When added to the mix, concrete treated with **UltraFinish® A1** is more stable and resistant to segregation. **UltraFinish® A1** enhances the performance of plastic and hardened concrete. **UltraFinish® A1** is manufactured under rigid quality control measures to provide uniform, reliable results.

PERFORMANCE BENEFITS

- Enables the production of self-compacting concrete
- Reduces segregation in high slump mixes
- Increases viscosity
- Reduces concrete bleed water
- Enhances the appearance of finished surfaces

DOSAGE RATES AND DIRECTIONS FOR USE

UltraFinish® A1 is recommended for use at a dosage rate of 1 to 15 oz/cwt of cementitious material. (65 to 980 mL/100 kg)

UltraFinish® A1 dosage rate depends on desired performance characteristics, mix variables, and conditions at time of placement. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials used.

UltraFinish® A1 should be incorporated into the mix either with the initial mix water or after all other ingredients have been added and completely mixed. **UltraFinish® A1** can be added at the batch plant or jobsite.

For best results, each admixture must be batched at separate intervals with the initial or final batch water, 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® A1 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® A1** can be used in all white, colored, and architectural concrete.

Performance Data:
Compressive Strengths: UltraFinish® A1 has little effect on the compressive strength of the concrete. If a lower water-cementitious ratio or higher compressive strength is necessary, the use of additional high-range polycarboxylate water reducer is recommended.

Bleed Water: Bleed water is significantly reduced and may be eliminated in concrete mixes, neat mixes, and grout mixes.

Slump: A slight decrease in slump should be expected after the addition of **UltraFinish® A1** due to the increase in viscosity of the mix. An additional dose of high-range water reducer may be necessary to meet specified slump for placement. Slump retention will be similar to normal concrete mixes.

Set Time: UltraFinish® A1, when used within the recommended dosage range, has very little effect on set time.

PRECAUTIONS/LIMITATIONS

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 compatiblity 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.