HIGH-PERFORMANCE LIQUID ADMIXTURE

Limelight™ Admixture

01 — PRODUCT OVERVIEW

Limelight™ is a high-performance liquid admixture developed by VeroTouch Science to improve mechanical strength, durability, and surface performance in both conventional and 3D-printable cementitious mixtures. Performance data are based on controlled laboratory evaluation against a reference mixture (REF) of identical proportions at a dosage of 10 fl oz / cwt of cement. The product is specifically designed to address the common issues found with Type 1L cements such as lack of finish-ability, spalling, scaling, and overall durability, and is also beneficial at lower dosages in type I/II.

FORM	**Liquid — clear to slightly hazy aqueous solution**
DOSAGE RANGE	**5–30 fl oz / cwt** of cementitious material
STANDARDS	**ASTM C494 Types A, F, G** · compatible with ASTM C150 / C595 cements
STORAGE	**45–90 °F (7 – 32 °C)** · 12-month shelf life, unopened

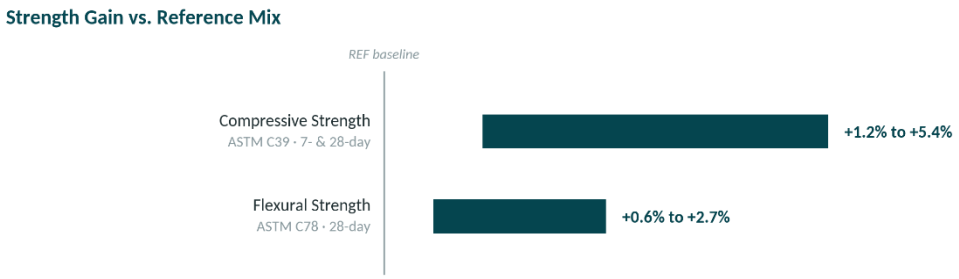
02 — APPLICATIONS

Limelight™ is designed for:

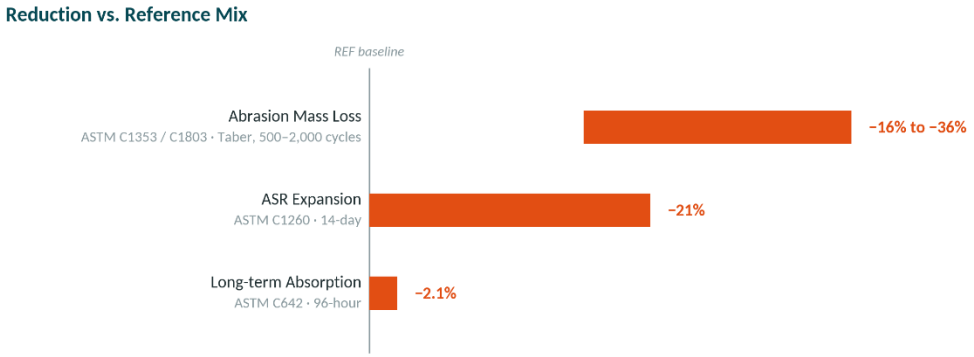
- Foundations
- Slabs
- Cast-in-place and precast structural members
- Pavements and hardstands.
- 3D-printed concrete elements
- Durability-critical mixtures requiring controlled absorption, ASR mitigation, and enhanced surface wear performance.

03 — PERFORMANCE

Limelight™ was evaluated head-to-head against a reference mixture of identical proportions. Across all five test methods, treated specimens outperformed the reference — with higher strength gain, lower long-term water uptake, mitigated alkali-silica expansion, and greater resistance to surface wear.

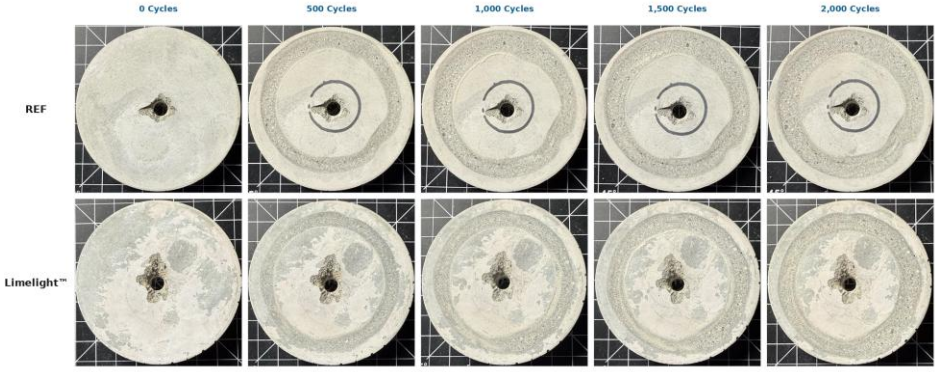


The performance data presented herein reflect laboratory testing of specific reference and treated mixtures under controlled conditions. Actual field performance may vary with materials, mix proportions, batching, placement, curing practices, and environmental conditions beyond the manufacturer's control. Customers are responsible for trial batching and verifying suitability for the intended application. No warranty, expressed or implied, is made regarding fitness for a particular purpose. © 2026 VeroTouch Construction LLC.



04 — ABRASION RESISTANCE DETAIL

Surface abrasion resistance was evaluated using the Taber rotary abrasion method at 500, 1,000, 1,500, and 2,000 cycles in accordance with ASTM C1353 / C1803. Limelight™ exhibited consistently lower mass loss than the reference at every cycle count, with the largest improvement observed at intermediate cycles. Specimen surfaces remained controlled and uniform, with no aggregate raveling or scaling.



Specimen progression — REF (top) vs. Limelight™ (bottom), 0–2,000 cycles

05 — APPLICATION, STORAGE & SAFETY

DOSING	Use 5–30 fl oz per 100 lb (cwt) of cementitious material. Optimal dosage is mix-specific and should be confirmed through trial batching. Add to batch water or directly into the mixer after aggregates and most of the mix water have been introduced.
COMPATIBILITY	Compatible with conventional Type A, F, and G admixtures (ASTM C494). Use separate addition lines and do not pre-blend with neat HRWR concentrates.
STORAGE	Store sealed in original containers between 45 °F and 90 °F (7–32 °C). Protect from freezing. Shake or recirculate before use, following extended storage. Shelf life is 12 months in unopened containers.
SAFETY	Refer to the Limelight™ Safety Data Sheet (SDS) for complete hazard and first-aid information. Use appropriate PPE, including gloves and eye protection. Avoid contact with skin and eyes.

The performance data presented herein reflect laboratory testing of specific reference and treated mixtures under controlled conditions. Actual field performance may vary with materials, mix proportions, batching, placement, curing practices, and environmental conditions beyond the manufacturer's control. Customers are responsible for trial batching and verifying suitability for the intended application. No warranty, expressed or implied, is made regarding fitness for a particular purpose. © 2026 VeroTouch Construction LLC.