

CMS ADMIXTURE LEED® CONTRIBUTION

| Admixture Benefit | How it Works | LEED®+ | | | | Credit** | Points* |
|---|---|--------|----|-----|----|--|---------|
| Enhances insulative qualities of the slab | <ul style="list-style-type: none"> Increases the concrete's density Creates a substrate that will not de-bond due to moisture migration or capillary action inside the slab | NC | CS | SCH | EB | EA 1: Optimize Energy Performance | varies |
| | | NC | CS | SCH | EB | IEQ 7.2: Thermal Comfort, Verification | 1 |
| Increases useful life-cycle of the concrete substrate | <ul style="list-style-type: none"> Increases the overall slab strength Provides a chemical seal that prevents moisture intrusion from hydrostatic pressure and capillary action | NC | CS | SCH | EB | MR 1.1: Building Reuse | varies |
| | | NC | CS | SCH | EB | MR 3: Materials Reuse | 1-2 |
| | | NC | CS | SCH | EB | MR 3: Sustainable Purchasing | 1 |
| Contributes to healthy indoor air quality | <ul style="list-style-type: none"> Contains zero Volatile Organic Compounds (VOCs) Contains a mold growth inhibiting additive that impacts both the slab surface and floor coverings | NC | CS | SCH | EB | IEQ 4.3: Low-Emitting Materials | 1 |
| | | NC | CS | SCH | EB | EA 6: Emissions Reduction Reporting | 1 |
| | | NC | CS | SCH | EB | MR 3: Sustainable Purchasing | 1 |
| | | NC | CS | SCH | EB | IEQ 10: Mold Prevention | 1 |
| Renders the concrete non-hygroscopic through an innovative chemical process | <ul style="list-style-type: none"> Creates a "gel" that completely fills the capillary system in the concrete Effectively shuts down the route of vapor emission, resulting in increased strength and density | NC | CS | SCH | EB | ID/IO 1: Innovation in Design/Operations | 1 |
| Product proximity to many major Southeast markets | <ul style="list-style-type: none"> Largest most innovative MVRA manufacturing plant located in Winter Garden, FL, U.S. | NC | CS | SCH | EB | MR 5: Regional Materials | 1-2 |

*Values listed are potential points available for that credit. In every case, the use of a CMS Admixture product alone will not earn points.

LEED® Green Building Rating System™ abbreviations (used above):
 (Note: Green color coded blocks indicate applicable standard.)
 NC = LEED® 2009 for New Construction & Major Renovations
 CS = LEED® 2009 for Core & Shell Development
 SCH = LEED® 2009 for Schools
 EB = LEED® 2009 for Existing Buildings: Operations & Maintenance
 **LEED® Credit Category abbreviations (used above):
 EA = Energy & Atmosphere
 IEQ = Indoor Environmental Quality
 MR = Materials & Resources
 ID = Innovation & Design Process
 IO = Innovation in Operations

ADDITIONAL CMS ADMIXTURE BENEFITS

Removes Project Liability

- Unmatched comprehensive "life of the concrete" warranty when specified
- Unmatched project specific quality control process
- Unmatched adhesion guarantee
- ZERO moisture vapor emission flooring failures

Reduced Construction Cost

- NO further field moisture testing required
- NO unanticipated topical moisture mitigation expense

Reduced Construction Time

- Requires only 1 day curing with plastic sheet or waterproof paper
- Install slab coverings in as little as 9 days after placement of concrete

Improved Slab Properties

- Greatly reduces shrinkage and slab curl
- Breaks the construction moisture cycle; slabs will be ready for coverings

Ease of Use

- Easily dosed, delivered and finished
- Completely compatible with normal and lightweight mix designs
- Compatible with all floor coverings, adhesives, coatings and roofing membranes

