

BARRIER-1[®] 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 East Coast markets	<ul style="list-style-type: none"> Manufacturing facility located in Morehead City, NC (see map below for qualified 500-mile radius) 	NC	CS	SCH	EB	MR 5: Regional Materials	1-2



Qualified 500-mile radius for Barrier-1 Admixture manufacturing

ADDITIONAL ADMIXTURE BENEFITS

Proven Results

- 100% percent success since 2004
- Unmatched comprehensive ten-year warranty

Reduced Construction Cost

- Usually priced at 1/10th the cost of effective topical moisture treatments
- Prevents project delays due to moisture vapor emission
- Insures against financial catastrophe due to remediation and lost opportunity cost

Reduced Construction Time

- Requires only 1 day wet curing
- Allows flooring installation 30 days after placement of concrete (assuming all other conditions for flooring are met)

Improved Slab Properties

- Greatly reduces shrinkage and slab curl

Ease of Use

- Requires NO moisture testing
- Compatible with all floor coverings, adhesives and coatings

BARRIER-1® TOPICAL SYSTEM LEED® CONTRIBUTION

Topical Benefit	How it Works	LEED®+				Credit**	Points*
Increases useful life-cycle of the concrete substrate	<ul style="list-style-type: none"> Topical treatment allows refurbishment of a permanently installed concrete slab 	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) 	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
Product proximity to many major East Coast markets	<ul style="list-style-type: none"> Manufacturing facility located in Spartanburg, SC (see map below for qualified 500-mile radius) 	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 Barrier-1 product alone will not earn points. (See back cover.)

†LEED® Green Building Rating System™ abbreviations (used above):
 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
 Note: Green color coded blocks indicate applicable standard.

**LEED® Credit Category abbreviations (used above):
 EA = Energy & Atmosphere
 IEQ = Indoor Environmental Quality
 MR = Materials & Resources
 ID = Innovation & Design Process
 IO = Innovation in Operations



Qualified 500-mile radius for Barrier-1 Topical System manufacturing

ADDITIONAL TOPICAL SYSTEM BENEFITS

Unmatched Value

- Carries a ten year flooring replacement warranty for labor and material in the event of a moisture related failure
- Economical in both labor and product costs
- Factory certified installers

Ease of Use

- Requires only an ICRI # 3 slab profile that can be achieved by shot blasting or diamond grinding
- Easy application with a low pressure sprayer
- Fast application: first and second coat are typically applied in one day

Improves Bonding, Compatibility of Slab

- Acts as a bond enhancer for cementitious and resinous coatings
- Resinous coatings, cementitious self-leveling underlayments, or troweled-on patching compounds can be applied directly to the Barrier-1 Topical System