

Barrier-1 Admixture

Frequently Asked Questions

Q: What is the primary chemical composition of your product and will it react with other admixtures?

A: The primary component in Barrier-1 Admixture is silicate. There is no negative reaction with other admixtures .

Q: Does it react with the steel?

A: The Admixture encapsulates the steel and rebar inhibiting rust and corrosion.

Q: Does it change the structural values of the concrete?

A: Barrier-1 Admixture densifies the concrete, typically increasing the strength an average of 14%.

Q: Is there a compatibility issue with colored curing compound and paint?

A: Most are compatible, there is little to no bleed water with Barrier-1 and certain dry shake colored hardeners will not activate in the absence of bleed water. There is nothing to inhibit the use of paint.

Q: Can the slab still be wet cured?

A: Wet curing slabs for one day is the preferred method of cure. Barrier-1 subscribes to ACI Guidelines (ACI 308R-01).

Q: Would it be difficult to accommodate your product into specifications?

A: Barrier-1 Admixture can be easily integrated into your 03 30 00 specification. A sample 03 30 00 spec is available at www.barrier-1.com.

Q: Does your warranty include any repair or replacement of damaged flooring caused by failure of your product?

A: Our warranty clearly states that we do replace any damaged flooring caused by moisture migration through the slab.

Q: How long does it take to cure or be suitable for moisture testing or floor installation?

A: We subscribe to ACI Guidelines for cure time, 28 days minimum. In most cases the flooring can be installed 30 to 45 days after concrete placement.

Q: What is your recommended water-cement ratio?

A: 0.45 w/c with a 4" slump, a greater slump can be achieved using water reducing admixtures.

Q: Is air entraining required with your product?

A: No, air is not required. Normal concrete contains 3% air or less; this has never been a problem. Light weight concrete with air entraining is also acceptable.

Barrier- 1 subscribes to American Concrete Institute (ACI) Guidelines.