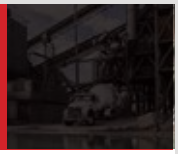
Vapourproofing Concrete. Strengthening Foundations.

MOXIE SHIELD 1800 ADMIXTURE
READY MIX BATCHPLANT PROCEDURES



VOLUMETRIC MIXING

Moxie Shield 1800 Admixture can be proportioned in the mix water tank. Reduce the gallons of water by the gallons of Moxie Shield 1800 Admixture added. Be sure to take into consideration the free moisture in the aggregates. Under dosing will produce unfavorable results.

MOXIE ALWAYS RECOMMENDS TRIAL BATCHING

It is highly recommended that the technical department be contacted prior to the use of Moxie Shield 1800 Admixture.

RATE/USE:
10 ounces per 94 pound sack, or 10.6 ounces per cwt (715 ml/100 kg) of cementitious materials (50 ounces minimum per yd3). Include any other cementitious materials (such as fly ash) in the calculation. Field and laboratory tests show maximum benefits have been achieved at a recommended water-slump range of 3" to 3 1/2" for standard concrete and 2" to 2 1/2" for fly ash. Do not exceed a .52 w/(c+p) ratio regardless
of slump. Higher water-slumps will result in increased slab drying time. Refer to the ASTM C94 - Standard Specifications for Ready-Mixed Concrete.

PROCEDURE:
1) Load in a clean mixer drum on the truck.
2) Moxie Shield 1800 Admixture is used at a dosage of 10 ounces per sack, or 11 ounces per cwt of cementitious materials (50 ounces minimum per yd^3.) Add the proper amount of Moxie Shield 1800 Admixture to a minimum of 20% batch water. In central mixing plants, Moxie Shield 1800 Admixture may be added to the entire, weighed amount of water. Reduce batch water gallons by the same amount of Moxie that was added.
3) Continue the batching process as per ASTM C94, including cementitious materials, aggregates, remaining batch water, and other additives. Do Not Use Chloride Accelerators.
4) There are no special cleaning procedures required for trucks returning to the plant, wash as usual.

MOXIE ALWAYS RECOMMENDS TRIAL BATCHING WHEN USING ADDITIONAL ADMIXTURES TO DETERMINE BEST TEST RESULTS. It is recommended if and/or when any of the following admixtures are specified: Water Reducing, Accelerating, Air-Entraining, Finishing, Shrinkage Reducers, Plasticizing, or Pumping, cut their recommended dosage by half. If other admixtures are specified, please contact technical services for advice. In high ambient temperatures, or if a delayed set time is desired, a set retarder may be used.

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NEED MORE HELP?

Please contact our technical experts at tech@moxieshield.com or call 916.251.0827

ON SITE CONDITIONS

1) CURING: Do not use curing compounds where adhered floors are to be installed. Fog only with water if and/or when necessary. Do not flood surface. Flooding will cause shrinkage cracking. Do not cover with Visqueen.
2) TEMPERATURE: If ambient temperature drops below 50° F, rotate mix drum an additional 4-5 minutes at mix speed, on-site, prior to discharging. Do Not Use Chloride Accelerators. [MOXIE Fastset50 accelerator is a non-chloride set accelerator that reduces set time up to 50 percent at maximum dosage.]
3) SLUMP: Maximum benefits have been achieved maintaining a 3" to 3 1/2 " water-slump, or 2" to 2 1/2 " for fly ash mix designs.
4) WORKABILITY: Concrete will appear to be dry. It will, however, have the workability and finishing characteristics of a slump that is 1 1/2" to 2" higher. At the above w/(c+p) ratio there will virtually be no bleed water; inform finishers not to wait for it. If there is any bleed water present, thus indicating water-to-cement ratio is too high, reduce the amount of water.
5) PUMPING: Less line pressure in concrete pump.
6) SPECIAL REQUIREMENTS: If there are any additional requirements please contact Technical Services.

NOTE THE FOLLOWING ASTM STANDARDS WHICH APPLY:

ASTM C94 SPECIFICATIONS FOR READY MIXED CONCRETE
ACI 304 MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE
305R HOT WEATHER CONCRETING
306R COLD WEATHER CONCRETING

TAKE NECESSARY SAFEGUARDS AND PRECAUTIONS, PROVIDE ADEQUATE PROTECTION FOR THE SLAB DURING THE FIRST 72 HOURS AGAINST FREEZING OR 7 DAYS IN HIGH TEMPERATURE