ACON DEEP SEAL

BEFORE

Permanently waterproof your Portland cement with a spray on application that dries clear and is environmentally safe. DEEP SEAL penetrates concrete up to 7 inches and prevents further contamination by forming a permanent non-soluble, colloidal gel that will the lifetime of the concrete. Other benefits include increased surface abrasion resistance as well as surface acid/chemical damage resistance.

AFTER

ADVANTAGES FOR USING PRODUCT DEEP SEAL

- Permanently water proofs concrete
- An effective and immediate halt to contaminants from any direction
- Increases concrete's strength
- Increases and / or reinforces concrete's compression and flexural strengths
- Protects imbedded metal such as rebar
- Greatly lowers and / or eliminates water or gas vapor emissions
- Virtually eliminates vapors such as radon, and etc.
- Environmentally safe
- Eliminates dusting potential for new or old concrete
- Provides significant additional surface abrasion resistance
- No odor
- Easy to apply
- 200 square foot per gallon with an overlapping spray pattern of 20-30%
- Ready to use do not dilute

PROBLEM / SOLUTION

This egg producing plant located in Florida was a grade on slab with the water table very close to the surface; in fact there was a swamp was less than 100 yards from the facility. Even though the plant received daily cleaning it had the constant stench of rotten eggs. The combination of continuous moisture present in the concrete and the daily egg breakage on the floors proved to be more than the cleaning protocol could handle.

Our application of ACON Deep Seal was applied at night to avoid interference with the daily egg production. The morning after the ACON Deep Seal application and cleaning the employees were amazed because it was the first time the employees had ever seen the concrete dry. The last step was to re-clean the concrete and then apply ACON Lustermax Plus. Upon completion of the job the rotten egg odors were gone, cleanings were easier, and the concrete floors dried quickly (even in the walk in coolers).

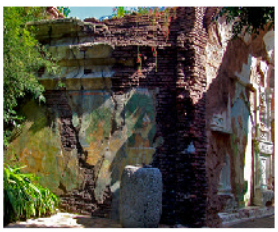
This photo is an example of severe efflorescence. The problem is both extreme moisture migration in the concrete and the unused Portland/free alkali in the concrete itself.

ACON Deep Seal has been proven very effective is stopping efflorescence. The ACON Deep Seal converts the unused Portland/free alkali and permanently stops moisture migration within the concrete. Unlike most sealers that sit on the surface, the Deep Seal application deeply penetrates and corrects the origin of the problem instead of just addressing the symptoms.

We received a call with complaints of excessive deterioration of ornamental limestone (precast concrete.) After a rain event the perimeter of the house was covered with sand from the ornamental limestone. Our investigation of the precast proved that the product was inferior and very weak. The Precast Institute recommend strength for precast is about 6000 pounds

A single specimen was divided and one half treated with the ACON Deep Seal. The specimens were then sent to a property science lab for testing. Each piece was then cut down to provide three individual pieces to determine an average strength. The average compressive strength was 2910 pounds for the untreated piece. The Deep Seal treated specimens strength was increased to a little over 5700 pounds. The Deep Seal application prevented a very costly and intrusive removal and replacement of the failing precast.

This photo is from a well know theme park. Efflorescence had proven to be an unacceptable issue in the hand painted murals on the wall. ALL previous attempts to remove the efflorescence using other removers and acids had been removing the pigment in the murals as well as the efflorescence.



Our remedy was to first remove the efflorescence with ACON Efflorescence Remover, and then we applied ACON Deep Seal to the wall. The result is that the park has enjoyed several years of efflorescence free walls, with no damage to the mural.

ACON PRODUCTS

WWW.ACONPRODUCTS.COM (770) 380-6594 Fax (706) 824-0031