

# TECHNICAL DATA SHEET



## AGRI-ROK CONCRETE OVERLAY

SEMI SELF-LEVELING, FAST CURE

CHEMICAL & FREEZE THAW RESISTANT

40 GROSSETT DRIVE, SUITE 200, KIRKWOOD, NY 13795  
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## **DESCRIPTION**

Agri-Rok is a unique overlay/ repair material designed for the harsh environment of agricultural use. It works for dairies, swine farms and all types of harsh environments that require a fast return to service and resistance to acids and bacteria.

Agri-Rok also works well for floor overlays or repairs to spot repair damage or entire floor.

## **BENEFITS OF USE**

### **TROWELABLE**

- Can be trowel finished for a super smooth appearance with out polishing.

### **STAINABLE**

- The unsealed (antique white) overlay will take water based or solvent based stains and dyes. In many cases the overlay can be cast, stained, and sealed in one day.

### **POLISHABLE**

- Agri-Rok can be polished the day after placement in most cases.

### **GREATER LONG TERM STRENGTH**

- Trinic's Agri-Rok overlay has greater long-term strength than concrete made with OPC, due to the denser matrix and special additives. The 28-day strength of Trinic's Agri-Rok overlay is greater than 10,000 PSI, more than twice the strength of ordinary concrete.

### **INCREASED RESISTANCE TO ACIDS**

- Trinic's Agri-Rok Overlay has a much lower porosity and permeability than concrete made with Ordinary Portland Cement (OPC). Pore sizes are smaller and less numerous. This reduces the rate of penetration of acids into the concrete, giving enhanced protection from acids, erosion and abrasion damage. When combined with Trinic's Agri-Rok sealer the system is ready for use in as little as 5 hours

### **INCREASED RESISTANCE TO SULPHATES**

- Sulphates can be present in feed, slurry, manure and wastewater. Sulphates react with calcium oxide (free lime) present in concrete, causing the concrete to expand and crack. Trinic's Agri-Rok overlay is a Sulphates resisting fast setting, cementitious composition with excellent adhesion. Combined with Trinic's Stampshield, the system offers fast track, high performance optimum protection against sulphate attack.
- Trinic's Agri-Rok overlay can be used to effectively repair damaged concrete feed areas or slabs, eliminating the need for early replacement.

## **DOSAGE RECOMMENDATIONS**

Each 50 lb. bucket contains 25lbs of cementitious material. Add 5.5 to 6 lbs of water per bucket (.22-.24 w/r ratio).

## **TEMPERATURE / CURE RATE**

Agri-Rok comes in 3 different sets. Fast, medium, and slow.

### **FAST SET**

- Designed to provide floor repair / resurfacing with limited interruption of production
- Material will set in 2 hours at 70° F in most conditions
- Open to foot traffic: 3 hours
- Open to normal use: 6 hours

### **SLOW SET**

- Slow set will take approx. 4 hours to set at 70° F in most conditions
- Open to foot traffic: 6-8 hours
- Open to normal use: 24 hours

Call Trinic for more information and specific project requirements.

## **MIX DESIGN**

1. Agri-Rok comes in 50 lb. batches packaged in 5 gallon buckets. Each 50 lbs of material yields about 21.5 sq. ft. at ¼" thick.
2. Install when the surface temperature of the concrete is between 40 and 90 degrees. Do not install in direct sunlight or very windy conditions.
3. Thoroughly clean the area to be resurfaced with a pressure washer, blow the standing water off the concrete. Dampen the area with water (no standing water) if the area has been previously cleaned and allowed to dry.
4. Mix and apply Agri-Rok overlay to the damp floor using a trowel or squeegee to spread the material. Agri-Rok will remain very fluid for about a minute so it is best to spread the material quickly then allow it to level on its own.
5. Agri-Rok overlay can be applied from a feather edge to 3" deep.
6. Add grit to the surface (if required for traction) while the material is still fluid.

## **MIX DESIGN (CONT.)**

7. Allow Agri-Rok to reach its initial set, usually 1 to 2 hours depending on temperature. Initial set is when you can walk on it without leaving an indent or you can rub your fingers on it and not lift any material.
8. Seal the project with Trinic's Stampshield. You can apply the sealer with an acetone safe sprayer or a 3/8" nap roller. Wet out the surface of the Agri-Rok with sealer without puddling. The sealer will flash off very quickly.
9. Allow a couple of hours before returning the completed project to use.

## **PACKAGING**

50 lb. buckets

## **COVERAGE / YIELD**

Each 50 lbs of material yields about 21.5 sq. ft. at 1/4" thick.

## **SHELF LIFE / STORAGE**

Shelf life: 1 year

Storage: Keep in sealed container away from moisture

## **DISPOSAL**

Follow all federal, state, and local regulations when disposing of this product.

## **LIMITATIONS**

Use according to instructions. Professional use only. Contact Trinic prior to use.

## **WARRANTY**

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer / seller's option. Trinic products shall not be liable for cost of labor or direct and/or incidental consequential damages.

## **SAFETY DATA SHEET**

SDS for all Trinic products can be found on our website or by contacting us directly.