

# SHIELD KOTE SYSTEM

Pool/Pond Waterproofing & Restoration



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## Overview

Multicoat's SHIELD KOTE SYSTEM is comprised of a super bonding polymer modified cementitious coating that is designed to restore the function and appearance of old concrete. Cured product seals and forms a protective coating over concrete surfaces which are submerged underwater.

## Surface Preparation

Substrate must be structurally sound and free from grease, oil, dirt, dust, sealers, water repellents and other foreign materials which may interfere with proper bonding. Shot Blasting, sand blasting or water blasting may be necessary over some surfaces to achieve proper bonding. On concrete block walls, all head and bed joints must be free of holes and finished flush with block substrate. For new poured in place walls, a water-based form release should be used. If an oil base form release must be used the wall must be scrubbed with tri sodium phosphate (TSP), power washed and rinsed.

Horizontal cracks should be treated with Multicoat's SPEED BOND CRACK REPAIR or SPEED MIX 2000. Fill any voids, vertical cracks or large cracks with Multicoat's SPEED MIX 2000.

## Application

**Step 1:** Use a 1/2" drill and Multicoat CAGE MIXER to mix material. Mix 1-3/4 to 2 gallon of clean potable water to one 65-lb. bag of POND KOTE until well blended and lump free. Application on walls can be by spray and trowel, floor can be by broom or squeegee. Apply at coverage rates listed below. Dampen substrate with water before application.

**Step 2:** Allow material to dry 7 to 10 days prior to filling with water.

**Step 3:** After filling, run circulation pumps/filters followed by a light brushing to remove any surface containments prior to adding fish. Longer dry time will be required for interior applications.

*Do not bridge expansion or control joints with the POND KOTE. All expansion or control joints must be cut and cleaned out and filled with approved caulking material.*

## Quick Reference Guide

STEP	MATERIAL	PURPOSE	COVERAGE
1	Vapor Shield	Vapor Barrier	200 SqFt/Gallon <sup>2</sup>
2	Pond Coat	Water Resistant Cement	100-120 SqFt/Bag <sup>2</sup>



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## Coverage

POND KOTE: Thickness: Coverage per Bag

1/16" 120 sq. ft. per bag.

1/8" 60 sq. ft. per bag

1/4" 30 sq. ft. per bag

Substrate weather and workmanship will cause coverage rates to vary.

## Limitations

- **DO NOT** apply if substrate temperature is below 40°F or above 100°F, or if ambient temperature is below 40°F or above 100°F.
- **DO NOT** apply if precipitation is expected within a twenty four (24) hour period

## Packaging And Storage

- POND KOTE is furnished in 65lb. bags.
- Shelf life is approximately 24 months.
- Store in a dry environment. Available in 3 different textures.

## Damage Limitation

Seller shall not be liable for any damages, injury, loss, direct or consequential, resulting from its products. The parties intend that the limitation of damages, including consequential damages, applies even if the exclusive remedy provided for herein fails of its essential purpose.

## Exclusive Remedy

Seller's sole obligation, and buyer's exclusive remedy shall be to replace material if found to be defective.

## Warranty Disclaimer

There are no warranties which extend beyond the description of the fact hereof. Seller expressly disclaims all other warranties regarding the use of its products, whether expressed or implied, including the implied warranties of merchantability and for fitness of a particular purpose. Since use of the product is beyond the Seller's control, the Buyer assumes all risk of use.

## WARRANTY

Materials are guaranteed with respect to uniformity and quality within the manufacturer's specifications.



## Laboratory Test Data

### TEST DATA - SHIELD KOTE

#### TEST

1. Density g/cc
2. Compressive Strength (28 day)
3. Flexural Strength (28 day)
4. Water %
5. Toxicity (96 hr. LC50)

#### RESULTS

1.75  
3125 psi  
1375 psi  
22.50%  
Passed\*

*\*Toxicity testing was done on flat head minnows and rainbow trout with no adverse affect to either species of fish.*

## West Coast

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