

# MULTI-DECK SYSTEM (CONCRETE) Above Grade Waterproofing



## Overview

The MULTICOAT ABOVE GRADE WATERPROOFING SYSTEM is a multi-layer protective coating which combines an elastomeric waterproofing membrane, MULASTICOAT, with resin modified cementitious top coating. This system is designed as an underlayment waterproofing and can be topped with lightweight concrete, hard rock, or similar materials for balconies and walkways.

## Surface Preparation

Substrate must be structurally sound, free from all grease, oil, paint, dirt, dust, sealers, laitence, curing compounds, and other foreign materials which may prevent proper bonding.

Substrate should be constructed and designed with all applicable building codes. Visit [www.multicoat.com](http://www.multicoat.com) for detailed system drawings. **Multicoat's Vapor Shield should be applied as per instructions sheets. Also, a primer coat of KRETE KOTE or TOP COAT to create a more suitable substrate should be applied.**

Concrete substrate: Repair cracks with Multicoat's Speed Bond Crack Repair material. (See Instruction Sheet) All holes, or voids, need to be filled with Multicoat's Speed Mix Hydraulic Cement. (See instruction Sheet)

*Note: All concrete decks must be vented to avoid gassing from substrate.*

*Refer to Mulasticoat, Scratch Kote 2000, and Speed Mix data sheets for more detailed product information.*

## Application

**Step 1:** Flash all posts, drains, coves, penetrations, and other irregularities with MULASTICOAT.

**Step 2:** Embed stitch bond polyester fabric into wet MULASTICOAT. Then apply additional MULASTICOAT to saturate fabric and allow to dry. Appropriate drip edges should be used as per local building codes.

**Step 3:** Apply MULASTICOAT over entire area in two coats with brush roller, airless sprayer or hopper gun. Allow first coat to dry to touch, usually 1-2 hours depending on ambient air temperature. Apply second coat in a criss-cross pattern to first coat. Immediately broadcast sand into the 2nd coat of MULASTICOAT while it is still wet. After product has dried completely, minimum 24 hours or longer in colder weather, but prior to any further coats, brush off loose sand from substrate.

*Note: Mix and apply SCRATCH KOTE 2000 before thinset if tile, brick, or stone finish is desired. Once the SCRATCH KOTE 2000 has dried continue with wearing surface installation.*

### Decorative Wearing Surface Options [Tile, Stone, Overlay Stamp System, Krete Kote (see below), etc.]

**Step 4:** Field mix KRETE KOTE or TOP COAT with potable (clean) water in the approximate amount of 1.75-2 gallons per 65lb bag. Mix vigorously to disperse all lumps and to thoroughly wet all particles. Use a margin trowel to clear vessel sides. Adjust to desired consistency by addition of dry material or small amount of water. For best results let KRETE KOTE/TOP COAT stand in the bucket for 3-5 minutes, then add a small amount of water and rebreak material (you may only rebreak material once). This will give additional pot life. Apply mixed KRETE KOTE/TOP COAT by trowel or squeegee in one base coat plus texture coat, or two or more coats plus texture coat, depending on surface conditions.

**Step 5:** Apply two coats of COLORSEAL (Refer to COLORSEAL "Instructions for use.") Allow minimum 24 hour cure before allowing foot traffic and minimum 72 hours before allowing vehicle traffic.

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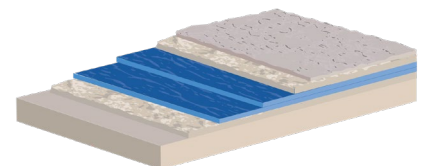
RR 26083



IAPMO ER #395  
INSPECTION AGENCY  
RAMTECH LABORATORIES  
(AA-655)

## Quick Reference Guide

STEP	MATERIAL	PURPOSE	COVERAGE
1	Vapor Shield	Vapor Barrier	175 SqFt/Gal
2	Scratch Kote/Krete Kote	Primer (Bonding) Coat	175 SqFt/Bag
3	Mulasticoat	Waterproofing Membrane	45-50 SqFt/Gallon <sup>2</sup>
4	Krete Kote/Top Coat	Decorative Coating	125 SqFt/Bag <sup>2</sup>
5	Acrathane Colorseal	Paint/Sealer	150-200 SqFt/Gallon <sup>2</sup>



# MULTI-DECK SYSTEM (CONCRETE) Above Grade Waterproofing

## Coverage

- **MULASTICOAT:** 80 to 100 sq. ft. per gallon
- **Stitch Bond Polyester Fabric:** 12" x 324' rolls
- **Vapor Shield @ 175 SF/Gal**
- **SCRATCH KOTE 2000:** 175 sq. ft. per bag

## 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 precipitation is expected within a twenty four (24) hour period..
- Protect MULASTICOAT to avoid punctures or damage.
- **DO NOT** allow MULASTICOAT to get wet during installation or drying.

*Not responsible for cracks or delaminations caused by structural movement, improper substrate, improper construction or application.*

## Packaging And Storage

- **MULASTICOAT:** 1-gallon cans, 5-gallon pails, 55-gallon drums, 275-gallon totes.
- **SCRATCH KOTE 2000:** 65 lb. bags
- **Stitch Bond Polyester Fabric:** 12" x 324' rolls
- **VAPOR SHIELD:** 1-gallon and 5-gallon
- **TOP COAT:** 65-lb. bags
- **ACRATHANE COLORSEAL:** 1-gallon and 5-gallon
- Store in a dry environment 40 to 90 Deg F.
- Store away from direct contact with ground or concrete.
- Protect from weather and other damage.
- Shelf life is approximately 18 months on unopened bags.

## 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 buyers 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 manufacturer's specifications.



RR 26083

ER #395

## Laboratory Test Data

### MULASTICOAT "THE BLUE STUFF"

1. Tensile Strength	ASTM D2370	PSI 99
2. Elongation	ASTM 2370	1086%
3. Tensile Bond Adhesion, PSI	ASTM C297	162 Cohesive
4. Static Hydrostatic Pressure	ASTM C 1306	Pass>45PSI
5. Hydrostatic Head	12" Water/Film@40mil	Pass 96hrs/No Effect
6. Low Temperature Flexibility Mandrel Bend	ASTM D522	½" Room Temp Pass 1" @ -5°F Pass ½" @ -5°F Pass

### TEST DATA - MULTI-BASE / SCRATCH KOTE 2000

1. Weatherometer	ASTM G23	2000 Hours Passed
2. Compressive Strength	ASTM C109	2595 PSI @ 45 Day Air Cure
3. Abrasion Test	ASTM 1242A	1000 Cycles/1000 grams
4. Freeze Thaw	ASTM C67	50-Cycle Pass
5. Impact Resistance	MIL-D-3134F	Passed

## West Coast

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