MULTI-DECK SYSTEM (WOOD) Above Grade Waterproofing

GREEN FRIENDLY PRODUCTS!

Overview

The MULTICOAT® MULTI-DECK SYSTEM FOR WOOD is a multi-layer protective above grade waterproofing coating system designed for balconies and decks. This Above Grade Waterproofing System is designed to withstand heavy foot traffic on decks, ramps, walkways, etc. and can be applied to wood or most other surfaces or substrates in need of a waterproofing and/or fire resistant protective coating system.

Surface Preparation

All substrates must be structurally sound, free from all grease, oil, paint, dirt, dust, sealers, curing compounds, and other foreign materials which may prevent proper bonding. Substrates should be constructed in compliance with all applicable building codes. Plywood substrates, including tongue and groove plywood, must be 5/8" minimum thickness, exterior grade CC PTS plywood, OSB or better, 16" oc maximum support spacing, edges blocked, all fastened with 8 penny ring shank nails or equivalent, on maximum 6" centers. Moisture content must be below 15%. Use moisture meter to check.

NOTE: Plywood/OSB must be nailed on all four edges. All above grade decks should be properly vented, flashed, and sloped for drainage. Not responsible for cracks and delamination caused by structural movement, improper substrate construction or application.

SEE WARRANTY FOR MORE INFORMATION

Application

Step 1: Lay out 2.5 galvanized metal lathe in a staggered pattern over the entire plywood/OSB surface overlapping the metal flashing to the edge of the deck surface. Make sure the metal lathe joints do not mirror the plywood/OSB joints, minimum 6"away from any joint. The metal lathe joints must overlap a minimum 1". Staple metal lathe with minimum 7/8" crown by a minimum 5/8" long corrosion resistant staple spaced 3"oc in the field and 1"oc in all metal lathe overlap joints, plywood joints and perimeter of the deck.

Step 2: Mix MULTI-BASE per instructions on the bag and pour over the metal lathe. Trowel onto the deck covering the metal lathe and allow to dry completely.

Step 3: MULASTICOAT® is then applied over entire surface in two (2) coats with roller, using firm pressure. Embed POLYESTER STITCH BOND FABRIC in the first coat while wet over all flashings. First coat is considered "dry" when dry to the touch which is usually 1-2 hours depending on ambient temperature. The second coat is applied crisscross to the first coat. Broadcast silica sand over wet material to promote mechanical bonding to the following protective decorative finish. After product has dried for a minimum of 24 hours, or longer for cold weather, brush off lose sand before applying a decorative wearing surface.

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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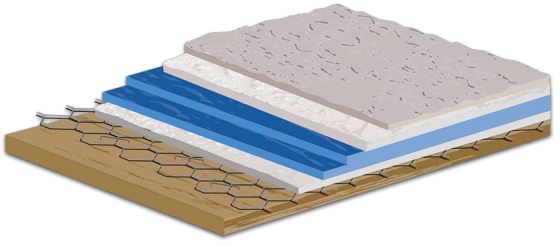
Above Grade Waterproofing

RR 26083

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

Quick Reference Guide

STEP	MATERIAL	PURPOSE	COVERAGE
1	Flashing/Metal Lath	Reinforcement Hardware	21 SqFt/Piece
2	Multi-Base	Metal Lath Base Coat	40-60 SqFt/Bag
3	Mulasticoat	Waterproofing Membrane	45-50 SqFt/Gallon[2]
4	Krete Kote/Top Coat	Decorative Coating	125 SqFt/Bag[2]
5	Acrathane Colorseal	Paint/Sealer	150-200 SqFt/Gallon[2]



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Coverage

- **MULTI-BASE** 40-60 SqFt/Bag
- **MULASTICOAT®** 45-50 SqFt/Gallon (2 coats)
- **Stitch Bond Polyester Fabric** 12" or 6' x 324'/roll
- **KRETE KOTE/TOP COAT** 125 SqFt/Bag (base and texture coat)
- **ACRATHANE COLORSEAL** 150-200 SqFt/Gallon (2 coats)

Limitations

- **DO NOT** apply if substrate temperature and/or ambient temperature is below 40oF or above 90°F
- **DO NOT** apply if precipitation is expected within a twenty four (24) hour period

Packaging And Storage

- **MULASTICOAT®**
  - 1 gallon pails
  - 5 gallon pails
  - 55 gallon drums
  - 275 gallon totes.
- **MULTI-BASE, KRETE KOTE 2000, TOP COAT 2000**
  - 65 lb. bags.
- **ACRATHANE COLORSEAL, MULTISTAIN**
  - 1 gallon pails
  - 5 gallon pails
- Store at 40-90°F in a dry facility in low humidity
- Shelf life is approximately 24 months for dry bag mixes and approximately 18 months for liquid in pails.

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 manufacturer's specifications.

MADE IN USA

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Laboratory Test Data

RAMTECH LABORATORIES WALKING DECKS AC-39

TEST NAME	STANDARD	METHOD	CONDITION OF ACCEPTANCE	RESULTS	PASS/FAIL
Accelerated Aging	AC-39 (Section 4.2)	ASTM D-756	Must Undergo Bond Strength Test	See Section A	Pass
Fire Retardant Roof Covering	AC-39 (Section 4.3)	ASTM D-756	Minimum Class "C"	CLASS "A" when installed as described in this report	Pass CLASS "A"
Bond Strength (Control)	AC-39 (Section 4.5)	ASTM C-297	10psi minimum	Control: 143psi	Pass
Bond Strength (Accel.Aged)	AC-39 (Section 4.5)	ASTM C-297	10psi minimum	Aged: 48psi	Pass
Bond Strength (Freeze-Thaw)	AC-39 (Section 4.5)	ASTM C-297	10psi minimum	Freeze-Thaw 35psi	Pass
Abrasion	AC-39 (Section 4.6)	ASTM D-1242	.040" maximum	.023"	Pass
Water Absorption	AC-39 (Section 4.8)	ASTM D-570	15% maximum	7.5%	Pass
Chemical Resistance	AS-39 (Section 4.9)	ASTM D-2299	No Crazing, softening delamination or spalling	No Crazing, softening delamination or spalling	Pass
Freeze Thaw	AC-39 (Section 4.10)	ASTM C-67	1% Max	.5%	Pass
Concentrated Load	AC-39 (Section 4.12)	AC-39 Sec. 4.12	Condition of the surface noted	No Damage Noted	Pass
Wind Uplift	AC-39 (Section 4.13)	FM I-52	No Cracking Spalling tearing delamination	No Damage Noted	Pass
Impact Resistance	AC-39 (Section 4.15)	ASTM D-3746	No Cracking or splitting	No Damage Noted	Pass

West Coast

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