



# Waterproofing Above Grade Wood Deck System.

METAL LATHE ABOVE GRADE WOOD DECK WATERPROOF SYSTEM

## DESCRIPTION AND BASIC USE:

The MULTICOAT® METAL LATHE WATERPROOF SYSTEM is a multi-layer protective coating designed for above grade decks. The system applies MULTI-BASE, a resin modified cementitious base coat embedded with 2.5 galvanized metal lathe. The system adds an elastomeric waterproofing membrane (MULASTICOAT®) with a synthetic resin modified cementitious top coating. (KRETE KOTE 2000 or TOP COAT 2000)

The METAL LATHE WATERPROOF SYSTEM is designed to withstand heavy foot traffic on decks, ramps, walkways, etc. The METAL LATHE WATERPROOF SYSTEM can be applied to wood and most other surfaces or substrates in need of a waterproofing and/or fire resistant protective coating.

## ADVANTAGES:

- Low cost - minimum down time - easy to apply
- Superior waterproofing
- Hard, durable, anti-skid surface
- Excellent weather-salt-fire resistance
- Superior bonding to substrate
- Excellent freeze-thaw resistance
- High impact and abrasion resistance
- Water base - environmentally safe to use and apply

## 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. (NOTE: Plywood/OSB must be nailed on all four edges.) Moisture content should be below 15%. Use moisture meter to check. NOTE: ALL ABOVE GRADE DECKS SHOULD BE PROPERLY VENTED, FLASHED, AND SLOPED FOR DRAINAGE. Visit [www.multicoat.com](http://www.multicoat.com) for detailed system drawings.

## APPLICATION:

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.

Flash all posts, drains, coves, penetrations, and other irregularities with MULASTICOAT. 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.



STAPLE METAL LATHE TO DECK



MULTI-BASE APPLIED, COVERING METAL LATHE



APPLY TWO COATS OF MULASTICOAT, "THE BLUE STUFF"



KRETE KOTE/TOP COAT BEING APPLIED



READY FOR FINISH TEXTURE, COLORSEAL, OR MULTI-STAIN



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

MC1016  
MLAGWDWS



## APPLICATION (continued):

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

MULASTICOAT® is then applied over entire surface in two (2) coats with roller, using firm pressure. First coat is allowed to dry to the touch, usually 1-2 hours depending on ambient temperature. The second coat is applied crisscross to the first coat. Immediately broadcast sand into the 2nd coat of MULASTICOAT while it is still wet. After product has dried completely minimum of 24 hours or longer in colder weather, but prior to application of the KRETE KOTE/TOP COAT, (the finish coat), brush off loose sand from substrate.

KRETE KOTE and TOP COAT 2000 are furnished in 65 lb. bags and field mixed with potable (clean) water in the approximate amount of 1 3/4 - 2 gallons per 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 amounts of water. For best results let KRETE KOTE or TOP COAT stand in the bucket for 3-5 minutes, then add a small amount of water and rebreak material. This will give additional pot life.

The wearing surface can be KRETE KOTE or TOP COAT with ACRATHANE COLORSEAL, which are both applied by trowel or squeegee in one coat plus texture coat. As an option, the system can be topped with an alternate wearing surface such as light weight concrete, tile, stone, brick, etc., and this will be your final visual wearing surface.

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

## COVERAGE:

MULTI-BASE 40-60 sq. ft per bag

MULASTICOAT® (waterproofing membrane): 40 to 50 sq. ft. per gallon (2 coats).

KRETE KOTE/TOP COAT 2000 - 100 sq. ft. per bag (base and texture coat). (See "PACKAGING AND STORAGE")

ACRATHANE COLORSEAL 150 - 200 sq. ft. per gallon (2 coats).

## LIMITATIONS:

Do not apply if substrate temperature is below 40°F or above 100°F, or if ambient temperature below 40°F above 100°F.

Do not apply if precipitation is expected within a twenty four (24) hour period.

## PACKAGING AND STORAGE:

MULASTICOAT® - furnished in 1 and 5 gallon containers, 55 gallon drums and 275 gallon totes.

MULTI-BASE, KRETE KOTE/TOP COAT 2000 - furnished in 65 lb. bags.

COLORSEAL/MULTISTAIN - furnished in 1 and 5 gallon pails.

Store at 40-90°F in Dry Area  
Stitch Bond Polyester Fabric, 12" x 324'

Shelf life is approximately 24 months in unopened bags and approximately 18 months in opened 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.

### 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 Cracking, softening delamination or spalling	No Cracking, 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 Needed	Pass



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