

PARKING GARAGE RESTORATION Above Grade Waterproofing



Overview

Introducing the Multicoat Parking Garage Restoration Systems – the ultimate solution for restoring and maintaining your parking garage's surfaces. Our weatherproofing and waterproofing systems are adaptable and can be customized to meet your specific needs. Our super-bonding Synthetic Resin modified cementitious coating, KRETE KOTE 2000, is engineered to withstand heavy traffic and harsh weather conditions, providing long-lasting protection and enhancing the appearance of your parking garage.

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 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: Open existing cracks with a crack chaser to a minimum of 1/4" and clean them of all dust and residue. Fill prepared cracks with SPEED BOND material, injecting it into the crack and leveling it with the surface of the substrate. Follow the directions on the cartridge carefully when using the material. Once dispensed, spread SPEED BOND flush with the deck surface using a plastic spreader, then broadcast 16-20 silica sand over wet SPEED BOND while still wet. Allow it to harden before brushing off any loose sand, and then proceed to coat the repaired crack(s) with MULTICOAT Products and Systems.

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.

Decorative Wearing Surface Options [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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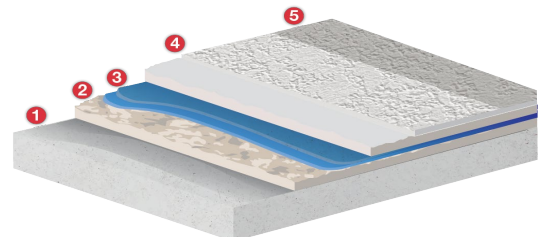
RR 26083



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

Quick Reference Guide

| STEP | MATERIAL | PURPOSE | COVERAGE |
|------|-------------------------|------------------------|----------------------------------|
| 1 | Vapor Shield | Vapor Barrier | 200 SqFt/Gal |
| 2 | Scratch Kote/Krete Kote | Primer (Bonding) Coat | 175 SqFt/Bag |
| 3 | Mulasticoat | Waterproofing Membrane | 35-45 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

- **MULASTICOAT:** 35-45 SqFt/Gallon²
- **POLYESTER STITCH BOND FABRIC:** 12" x 324' rolls
- **VAPOR SHIELD:** 200 SqFt/Gallon²
- **SCRATCH KOTE 2000:** 175 SqFt/Bag
- **KRETE KOTE 2000:** 125 SqFt/Bag
- **ACRATHANE COLORSEAL:** 175 SqFt/Gallon²

Packaging And Storage

- **MULASTICOAT:** 1-gallon cans, 5-gallon pails, 55-gallon drums, 275-gallon totes.
- **SCRATCH KOTE 2000:** 65 lb. bags
- **POLYESTER STITCH BOND 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.

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.

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



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ER #395

Laboratory Test Data

MULASTICOAT "THE BLUE STUFF"

| TEST NAME | METHOD | RESULTS PASS/FAIL |
|--|----------------------|---|
| Tensil Strength | ASTM D2370 | PSI 99 |
| Elongation | ASTM 2370 | 1086% |
| Tensil Bond Adhesion, PSI | ASTM C297 | 162 Cohesive |
| Static Hydrostatic Pressure | ASTM C 1306 | Pass>45PSI |
| Hydrostatic Head | 12" Water/Film@40mil | Pass 96hrs/No Effect |
| Low Temperature Flexibility Mandrel Bend | ASTM D522 | 1/2" Room Temp Pass 1" @ -5°F Pass 1/2" @ -5°F Pass |

TEST DATA - KRETE KOTE SYSTEM (Wearing Surface)

| 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" | Pass |
| 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 Noted | Pass |

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East Coast

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