



A Super Bonding, Flexible Cementitious Coating for Parking Garage Weatherproofing (Waterproofing if Required) and Restoration.

DESCRIPTION & USE

MULTICOAT PARKING GARAGE RESTORATION SYSTEMS are adaptable for both weatherproofing and waterproofing.

The SYSTEMS utilize a super-bonding Synthetic Resin modified cementitious coating, KRETE KOTE 2000, which is durable, anti-skid, weather and chemical resistant when applied over properly prepared traffic-bearing substrates.

Weatherproofing is used over sound substrates where no leakage or water penetration has occurred.

Waterproofing is needed if water penetration has taken place in order to restore surface integrity and prevent further leakage.

ADVANTAGES

- Cost Effective - Easy to Apply
- Bonds Securely to Properly Prepared Concrete Substrate
- Short Down Time - Fast Curing
- High Flexural Strength - Will Withstand Moderate Flexing Unlike Most Repair Materials
- High Impact and Abrasion Resistance
- Resistant to Water and Moisture Penetration, Salt Spray and Most Chemicals
- Freeze-Thaw Resistant
- Waterbased - Environmentally Safe to Use and Apply

SEE TEST DATA

SURFACE PREPARATION

Substrate must be structurally sound. Remove any grease, oil, paint, dust, dirt, sealers, laitence, curing compounds and other foreign materials which may prevent proper bonding. Use shotblast, sandblast, or waterblast with sand injector (minimum 3,500 psi). To remove heavy grease, use biodegradable degreasers and hot steam cleaning machine.

Existing cracks should be opened up with a crack chaser to a minimum of 1/4". Open cracks should be cleaned of **all** dust and residue.

Fill properly prepared cracks with SPEED BOND material. Backer rod or sand should be placed in cracks where depths are greater than 3/8". Inject SPEED BOND material into crack, level with the surface of the substrate. (Note: Follow directions on the cartridge carefully when using material.)



SURFACE PREP (SHOT BLAST)



CRACK REPAIR WITH SPEED BOND (SEE CRACK REPAIR SYSTEM).



WATERPROOFING ENTIRE SURFACE WITH MULASTICOAT



SQUEEGEEING KRETE KOTE



ALLOW TO DRY MIN. 48-72 HOURS BEFORE OPENING TO TRAFFIC

PARKING GARAGE RESTORATION SYSTEM



After dispensing, immediately spread SPEED BOND flush with deck surface using a plastic spreader at least 2" on each side of crack. While still wet, broadcast 16-20 silica sand over wet SPEED BOND. Allow to harden, then brush off loose sand.

Now you are ready to coat over the repaired crack(s) with MULTICOAT Products and Systems.

APPLICATION

For **waterproofing** apply a primer coat of KreteKote 2000 over entire area. Let dry, then apply a coat of MULASTICOAT to areas at junction of surface and joining of parapet walls. Embed 10" wide Stitchbonded Polyester fabric in the MULASTICOAT. Apply additional MULASTICOAT to saturate fabric and allow to dry. MULASTICOAT is then applied over entire substrate in two (2) coats with roller or squeegee, using firm pressure (see "COVERAGE" below).

First coat is allowed to dry to touch, usually 1-2 hours, depending on ambient temperature. Apply second coat criss-cross to first coat. Be sure all voids, pinholes, etc. are completely covered. Allow to cure minimum of 24 hours, longer in cool weather. Do not allow MULASTICOAT to be exposed for more than 2 days.

The following steps are then taken for both **weatherproofing** and **waterproofing** systems:

KRETE KOTE 2000, resurfacing material, is field mixed with water to desired consistency. Ratio approximately 2 - 2 1/2 gallons of water to 65 lb. bag (see KRETE KOTE system instructions).

- FIRST COAT Apply with squeegee, and allow to dry (usually about 1-2 hours).
- SECOND COAT Apply same as first coat.
- THIRD COAT If texture is desired, apply KRETE KOTE with hopper gun for French Lace Texture, or roll with 1/4" texture roller for texture finish.
- COLORSEAL Apply two coats of COLORSEAL. (Refer to COLORSEAL "Instructions for Use.") Allow minimum 24 hour cure before applying COLORSEAL. ALLOW TO CURE MINIMUM 72 HOURS BEFORE ALLOWING VEHICLE TRAFFIC

COVERAGE

Each 65 lb. bag of KRETE KOTE 2000 will cover approximately 175-200 sq. ft. (regular coat) and about 200-225 sq. ft. (textured coat).

TEST DATA - KRETE KOTE 2000

| TEST | METHOD | RESULTS |
|-------------------------------------|-------------|-----------------------------|
| 1. Weatherometer | ASTM G23 | 2000 Hrs - Passed |
| 2. Compressive Strength | ASTM C109 | 24 Hours air cured 3975 psi |
| 3. Tensile Strength | ASTM C190 | 457 psi |
| 4. Bond Strength (Flatwise Tension) | ASTM C297 | 225 psi |
| 5. Abrasion | ASTM-1242A | 1000cyc-1000gms 39 mil loss |
| 6. Salt Spray | ASTM B117 | 300 hrs - Passed |
| 7. Water Vapor Transmission | ASTM E96A | 8.5 Perms |
| 8. Freeze Thaw 50 Cycle | ASTM C67 | Passed |
| 9. Flexural Strength | ASTM D790 | Modulus of Rupture - 770psi |
| 10. Impact Resistance | MIL-D-3134F | Passed |
| 11. Flame Spread | ASTM-E84 | Class A |

Each gallon of MULASTICOAT will cover approximately 40-50 sq. ft. (2 coats).

Each gallon of COLORSEAL will cover approximately 150-200 sq. ft. when applied per instructions.

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.

IF ANY SECTION OF CONCRETE TO BE RESURFACED IS SUBJECT TO POSSIBLE NEGATIVE SIDE WATER OR WATER VAPOR PRESSURE, DO NOT USE.

PACKAGING AND STORAGE

KRETE KOTE 2000 is furnished in 65 lb bags.

MULASTICOAT in 1 and 5 gallon pails, 55 gallon drums, and 275 gallon totes.

COLORSEAL in 1 and 5 gallon pails.

STITCHBONDED POLYESTER FABRIC - 10" wide rolls.

Store in **dry** area at 40-90°F.

Shelf life approximately 18 months in unopened pails, 24 months in 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 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.

TEST DATA - MULASTICOAT (IF NEEDED)

| TEST | METHOD | RESULTS |
|--------------------------------|---------------------------|--------------------------|
| 1. Tensile/elongation | ASTM D412-83 | Aged 717psi/392% |
| 2. Bond Strength Concrete | ASTM C297 | 192psi |
| 3. Low Temperature Flexibility | | -5°F |
| 4. Crack Bridging | L.A. City Method | Total Elongation - 205% |
| 5. Percolation | 2" x 48" waterhead-48hrs. | No loss |
| 6. Accelerated Aging | ASTM D756 D + E | .25 cycles - Passed |
| 7. Water Vapor Transmission | ASTM E96-BW | Grains/hr./ ft.sq. .0044 |



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