



KRETE KOTE SYSTEM

CONCRETE RESTORATION

I. DESCRIPTION and SCOPE

The MULTICOAT **KRETE KOTE System** is a super bonding, flexible Synthetic Resin modified cementitious coating which forms a cost-effective, durable, anti-skid, weather and chemical resistant protective coating over properly prepared substrates. It can be applied to driveways, walkways, steps, decks, buildings, bridges, etc.

The scope of the specification is to describe all materials and procedures required for installation of the **KRETE KOTE SYSTEM**.

II. MATERIALS

1. **KRETE KOTE 2000** Protective Coating

As manufactured by MULTICOAT CORPORATION

Shall be a synthetic resin modified cementitious material, furnished in dry form, mixed with potable water at job site in proportions so as to provide alternate consistencies for application by brush, squeegee, spray or trowel.

Physical properties of the cured mix shall meet or exceed the following test criteria:

KRETE KOTE 2000

	TEST	METHOD	RESULTS
1.	Weatherometer	ASTM G23	2000 Hrs - Passed
2.	Compressive Strength	ASTM C109... 45 Days air cured	2595psi
3.	Tensile Strength	ASTM-C190	457psi
4.	Bond Strength (Flatwise Tension)	ASTM-C297	225psi
5.	Abrasion Test	ASTM-1242A... 1000cyc-1000gms	39 mil loss

6.	Salt Spray	ASTM-B117	300 Hrs. - Passed
7.	Water Vapor Transmission	ASTM-E96A	1.26 Perms
8.	50-Cycle Freeze Thaw	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

2. ACRATHANE COLORSEAL/CLEARSEAL

As manufactured by MULTICOAT CORPORATION

Shall be a high solids waterbased Synthetic Latex protective coating for cleaning ease. Proprietary formulation and physical characteristics designed for compatibility with KRETE KOTE 2000.

III. SURFACE PREPARATION

1. Substrate must be structurally sound, free from grease, oil, paint, dirt, dust, sealers, laitence, curing compounds and other foreign materials which may prevent proper bonding. Use shot blast, sand blast, or water blasting with sand injector (3500 psi minimum). For heavy grease use biodegradable degreaser, with steam cleaning machine, if necessary.
2. Cracks must be repaired and all holes, voids, behives, etc. must be filled with MULTICOAT SPEED MIX.
3. Expansion joints should be installed, cleaned if existing.
4. Surface should be dry to touch prior to APPLICATION.

IV. APPLICATION

1. FIRST COAT **KRETE KOTE 2000**

A. Mix with potable (clean) water in approximate amount of 1 ¼ -1 ½ gallons per 65 lb. bag preferably with MULTICOAT Mixing Paddle. Mix vigorously to disperse all lumps and thoroughly wet all particles.

(1-1 ½ minutes minimum after all dry material added)

B. Adjust to desired consistency by addition of small amount of water, if needed.

C. Apply with roller, trowel, or squeegee. Allow to set, usually 1-2 hours, longer in cool weather. Substrate condition may require a second coat - Same as First Coat.

2. TEXTURE COAT

A. Same as First Coat except apply with Hopper Gun - trowel "knock down" for French Lace Texture.

B. Allow to cure minimum of 12 hours for foot traffic, 48-72 hours for vehicle traffic, longer in cool weather.

3. **COLORSEAL / CLEARSEAL** - Apply per instructions in two thin coats.

V. WARNING

Do Not Coat Or Cover Expansion Joints. If Expansion Joints Are Covered During The Process, Re-Cut, Clear-Out, And Caulk All Expansion Joints.

Do not apply when substrate surface temperature is below 50oF, above 100oF, if ambient temperature is below 50oF and falling, over 100oF and expected to rise, or if precipitation is expected within a 24 hour period.

DO NOT USE IF CONCRETE SLAB MAY BE SUBJECT TO NEGATIVE SIDE WATER OR WATER VAPOR PRESSURE.

VI. WARRANTY

Materials are guaranteed with respect to uniformity and quality within manufacturers' specifications. Seller makes no other warranty, expressed or implied, regarding the use of its products. Since use of the product is beyond the Seller's control, the Buyer assumes all risks of use. Seller's sole obligation shall be to replace material if found to be defective. Seller shall not be liable for any damages, injury, loss, direct or indirect or consequential, resulting from use of its products.