

STONELOK E3/2K2 COUNTERTOP KITS

TABLE OF CONTENTS

PAGE 1	APPLICATION OUTLINE & TIPS
PAGE 2	O/S-W SUBSTRATE CONDITIONER/ADDITIVE TECHNICAL DATA SHEET
PAGE 3	O/S-W DIRECTIONS FOR USE
PAGE 4	STONELOK E3 EPOXY TECHNICAL DATA SHEET
PAGE 5	STONELOK E3 INSTRUCTIONS
PAGE 6	STONELOK 2K2 POLYURETHANE TECHNICAL DATA SHEET
PAGE 7-9	STONELOK 2K2 INSTRUCTIONS
PAGE 10	COUNTERTOP POST APPLICATION PRECAUTIONS



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STONELOK E3/2K2 COUNTERTOP KITS

APPLICATION OUTLINE & TIPS

OUTLINE

PREPARATION

Substrate should be very clean, dry, neutral to slightly alkaline, and have a surface profile equivalent to a 200-300 grit sand/grind. Recommended application temperature is 70 degrees F (see cure schedule for details). On outdoor or moisture prevalent application areas, V-SEAL 101 is recommended as a moisture transmission reducing reactive penetrating sealer. Wait 24 hours after applications of V-SEAL 101 before moving onto O-S/W application.

STEP 1: O-S/W SUBSTRATE CONDITIONER - Dilute and apply per application instructions.

Wait approximately 30-45 minutes for O-S/W to dry before moving onto E3 Epoxy application.

STEP 2: STONELOK E3 EPOXY PRIMER - Mix and apply StoneLok E3 Epoxy per application instructions.

Wait approximately 8-12 hours for E3 to be dry to the touch. If more than 24-48 hours passes between coats, the previous coating should be sanded lightly with 200-300 grit to provide mechanical bond, then cleaned with a lightly damp cloth before moving onto next coating.

STEP 3: STONELOK 2K2 URETHANE TOPCOAT - Mix and apply StoneLok 2K2 Urethane per application instructions.

Under normal application conditions, coatings will reach a full cure in 4-7 days. Usage during this time should be very delicate as the coatings are more vulnerable to damage before curing fully.

APPLICATION TIPS

Pay close attention to the following variables during application

SURFACE PREPARATION - see surface preparation above, inadequate surface preparation can lead to product failure or delamination

MIX RATIOS

O-S/W: Follow dilution guidelines in product instructions

E3 Epoxy: 1 Part A to .35 Part B (or 20 Parts A to 7 Parts B)

2K2 Urethane: 2.5 Parts A to 1 Part B (before induction) + 20-23% water after induction time (percentage of A+B combined)

APPLICATION & CURING CONDITIONS - 65°-85° F (recommended 70) with humidity less than 60%

COATING THICKNESS - Coatings should be applied within the correct wet thickness range. A wet thickness gauge, or 'mil gauge' should be used if necessary. One 'mil' equals one thousandth (1/1000th) of an inch thickness. The coverage rate of the product can be used to help estimate the amount of product necessary for your application area at the correct wet thickness.

StoneLok E3 Epoxy: recommended 4-7 mils wet film thickness

StoneLok 2K2 Urethane: recommended 4-5 mils wet film thickness

ROLLING TIPS - If rolling, roll in a "V" or "W" pattern working quickly to apply the product thin and evenly. Product should have a slightly white haze when first applied. Overworking the product, using the product past the pot life, or uneven application can result in roller marks.

CONTAMINATION - To avoid contamination, clean new containers should be used if mixing the products in smaller than packaged volumes.

SHELF LIFE, USEABLE LIFE, POT LIFE - Shelf Life of all kit products is one year unopened. Once opened, products should be used within one month on no more than 3 separate applications. Once mixed, products must be used in their entirety before the pot life is up. Increased temperatures will reduce shelf life, useable life, and pot life once mixed.

POST APPLICATIONS AND PRECAUTIONS - While the StoneLok E3/2K2 system is extremely resistant to stains and abrasion relative to other products on the market, it can still be damaged if not cared for properly. Avoid use of painters tape and other masking tapes as they can bond to the coatings permanently and cause them to separate when the tape is removed.

Manufacturer precautions include: avoiding cutting directly on the surface, cleaning up spills quickly, avoiding trapped moisture under wet objects that can leech into coating eventually, using hot pads and coasters when necessary, avoiding dragging sharp or heavy objects across a coated surface

REPAIR - All coating systems will need repaired or re-applied over time with usage. Catalyzed, two-part coatings like epoxy and urethane cannot typically be stripped or repaired with chemicals. Damaged areas should be sanded and re-applied. Aggressive grits may be used initially to remove sealer. Finishing with 200-300 grit and cleaning the surface is recommended before re-application of another coating.



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O-S/W™ (Organo-Silane Waterborne) Substrate Conditioner/Additive

With the introduction of O-S/W™ Substrate Conditioner/Additive, Richard James Specialty Chemicals (RJSC) is again at the forefront of water-borne solutions for the engineered cement, concrete and natural stone industries.

Until now, all organo-silanes were solvent-borne...flammable, expensive to ship, and with very short pot life after mixing.

For the first time, RJSC scientists have developed and perfected a totally water-borne organo-silane chemistry that is:

- ◆ **non-flammable**
- ◆ **high-performance**
- ◆ **fast-drying**
- ◆ **with a very long pot life**
- ◆ **easy to use**

THE NEW CHEMISTRY OF O-S/W

A true substrate conditioner, which can be used over the substrate or in a coating, is ambidextrous, namely with *two* active ends of the chemical structure. *One end* is an inorganic binder that typically locks to any compounds such as silica, sand, alumina, calcium, magnesium etc; and *the other end* must lock to organics such as residual coatings, resins in the fast-set cements, and (ultimately) the organic resins of the final topical coatings.

Until now, all such ambidextrous substrate conditioners required alcohol to "pop" the inorganic side. Since the active ends of these products are slowly neutralized by water, their pot life is short.

O-S/W has active end-terminals (already popped) that are sheltered by proprietary surfactant packages, allowing them to remain active for long periods of time in water.

SAFETY AND SAVINGS

Since alcohol is not used in RJSC's new O-S/W chemistry, the expense of hazardous shipping is eliminated; and the water-borne, non-flammable product can be used safely on *all* job sites.

WHY A SUBSTRATE CONDITIONER/ADDITIVE?

The basic function of a substrate conditioner/additive is to increase the chemical bond between sealer and substrate. (Every airplane is treated with a solvent organo-silane before it is painted).

Any cementitious or natural stone substrate with an "unknown history" carries the risks of old silicones, oils and over-polished surfaces that can reject sealers and coatings. O-S/W, with the capacity to "chemically lock" such conditions and create a condition of high receptivity to sealers/coatings, is "low-cost insurance"

Additionally, all cementitious substrates, including engineered cements, experience a cure cycle that progresses with time. Un-hydrated materials and the complex variables of temperature and vapor pressures often create the possibility of later hazing under sealers. O-S/W is delivered to concretes/cements as a waterborne "second hydrating" element that can "coat and lock" the topical layer in a mode that becomes better cured and highly acceptable to sealers/coatings.

COVERAGES AND PACKAGING

O-S/W Substrate Conditioner is sold as a concentrate, packaged according to surface area that will be treated when diluted with water. Five SKU's are available: 60 - 75 sq.ft.; 250 - 300 sq.ft.; 500 - 600 sq.ft.; 1,100 - 1,400 sq.ft.; and 2,200 - 2,800 sq.ft. (lower numbers are coverages for more absorbent substrates). As an Additive, O-S/W is sold premeasured for addition to unit sizes of RJSC primers and coatings.

APPLICATION

O-S/W Concentrate is added to (measured) water at the job-site and is ready immediately either for addition to an RJSC coating or for application to a clean and dry substrate with ambient and surface temperature >60° and <85°. As a Substrate Conditioner, application is with short shag roller or sprayer to wet the substrate. Colorless and odorless, O-S/W dries in 30 minutes - 1 hour, ready for RJSC coatings.

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SUBJECT TO RJSC MSDS' & RJSC LIMITED WARRANTY

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**DIRECTIONS FOR USE OF
 O-S/W™ SUBSTRATE CONDITIONER CONCENTRATE**

O-S/W Concentrate is packaged according to surface area that will be treated per bottle size of diluted O-S/W Concentrate. The lower number in the Surface Area column (chart below) is calculated at approximately 550 sq.ft./gal for very porous substrates such as shot-blasted concrete. The higher number is calculated at approximately 750 sq.ft./gal for tight surfaces such as self-leveling cements and smooth concrete. Actuals will vary according to substrate absorbency.

Surface to receive O-S/W must be absorbent and free of oils, dirt, salts, coatings and other residues. For more information on preparation of old and new concrete, contact RJSC.

DILUTE the O-S/W CONCENTRATE

1. **BASED on UNIT you are using, MEASURE WATER AS INDICATED BELOW into a CLEAN/NEW PAIL.** (You can measure either in mls/ccs or in ounces.)

<u>SURFACE AREA</u> to be treated	<u>O-S/W</u> BOTTLE	<u>PAIL</u> SIZE	<u>WATER ADD</u>	
			<i>in mls</i>	<u>OR</u> <i>in oz</i>
60 - 75 sq. ft.	30 ml	quart bucket	400 mls	<u>or</u> 14 oz.
250 - 300 sq. ft.	120 ml	gallon bucket	1,600 mls	<u>or</u> 1 qt. + 23 oz.
500 - 600 sq. ft.	240 ml	gallon bucket	3,200 mls	<u>or</u> 3 qts + 13 oz.
1100 - 1400 sq. ft.	pint	2½ gallon pail	7,000 mls	<u>or</u> 7 qts. + 13 oz.
2200 - 2800 sq. ft.	quart	5-gallon pail	14,000 mls	<u>or</u> 3 gal + 2 qts + 26 oz.

2. **ADD the bottle of O-S/W Concentrate.**
 3. **MIX THOROUGHLY.**

APPLY the DILUTED O-S/W

4. **Roll fast and evenly with a wide roller or squeegee to get the floor wet.**
Do not puddle or pool since this may leave watermarks on certain self-leveling cements.
 5. **With box fans, dry should happen fast -- about 30 minutes - 1 hour.**

APPLY RJSC PRIMER/SEALER

6. **Apply 200-Series™ [or StoneLok™ "E3" or "2K"] as usual (Do NOT re-wet floor).**

Subject to RJSC MSDS and LIMITED WARRANTY.

STONELOK™ "E3"

Water-borne Epoxy Resin

for Concrete, Engineered Cement, Gypsum & Wood Installations

Cutting-Edge Epoxy Technology

STONELOK™ "E3" IS THE ONLY "3RD GENERATION WATERBORNE EPOXY" ON THE CURRENT MARKET. This new technology in resins and catalyst chemistry provides dramatic improvement over even the most recent epoxy resin modifications used by other manufacturers.

The "E3" system is a *high-performance project time-saver*. As a waterborne system, the **SUBSTRATE NEED NOT BE TOTALLY DRY**. The **RELATIVELY SHORT PRINT-FREE** and **CURE TIMES** make access or second/top coatings fast and efficient. The **51% SOLIDS** and **BUILD RATE** are ideal for high-wear installations and acid-etched, shot-blast and/or profiled substrates.

EXCEPTIONAL PERFORMANCE AS A CLEAR COAT

StoneLok "E3" is characterized by **SUPERB ADHESION** to a wide range of substrates and RJSC primers; high solids onlay + DFT; **OUTSTANDING ABRASION-RESISTANCE**; and rapid hardness/cure. With **EXCELLENT UV RESISTANCE** as compared to other epoxies, this coating **HOLDS ITS CLARITY** for extended time and exposure conditions. The "3rd Generation Technology" provides a surface that is far more **RESISTANT TO STAINING AND GREASE SPOTS** than conventional epoxies.

COLOR WITHOUT COMPROMISE

Adding pigmentation to standard epoxies creates "spaces" in the resin matrix that can interfere with adhesion and strength. In the StoneLok "E3" system, color is delivered by use of RJSC E3-Type™ Colloidal Dyes. Because of the chemistry of these RJSC dyes, there is no performance compromise.

Tensile Strength	typically 7,000 psi	Chemical & Solvent Resistance	
Elongation	typically 90% at cure	30 minute spot tests	
Tabor Abrader	1000g. CS17, 1000 cycles	xylylene	no effect
	typically 40 mg loss	toluene	slt. Softening, recovers
Solids Content	51%	mek	no effect
V.O.C. Content	91 g/L catalyzed	butoxy ethanol; 409	no effect
Dry Rate	walkable: 6 hrs typical	isopropyl alcohol	no effect
	light service: 12 hrs. typical	1 N. NaOH	no effect
	standard service: 24 - 48 hrs.	30% ammonia	no effect
	full cure & protection: 3 days	clorox	no effect
Coverage	~250 - 400 sq.ft./gal/coat	1 N. HCL	temp. whtning, recovers
	[~ 4 - 7 mils WFT/coat]	glacial acetic acid	no effect
DFT	~ 3.5 mils [~8 mils if 2 coats]	engine oil	no effect
		brake fluid	no effect



Distributed by:

For more information on application, other technical matters, primers and colorants

V-SEAL TECHNOLOGIES TARA Distribution Group, Ltd.

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SUBJECT TO RJSC MSDS' and LIMITED WARRANTY

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INSTRUCTIONS FOR STONELOK™“E3” for Old, New, & Acid-Stained Concrete/Cements; and Gypsum Flooring

STARTING POINT is a TOTALLY CLEAN, ABSORBENT SURFACE free of all contamination and residues and without laitance/scrim coat. For concrete, contact RJSC for Concrete Prep data. If concrete/cement has been acid stained or etched, a scrub with a non-sudsing ammonia solution, a copious double water-rinse and ample dry time are required. See RJSC bulletin for use of StoneLok™ “E3” over acid-stained/treated floors. For some cement and concrete floors, O-S/W™ Substrate Conditioner or 200-Series™ Epoxy Primer is applied prior to StoneLok “E3”. For gypsum-based floors, a primer may be needed. For engineered cement, minimum cure before “E3” is 12 hours but actual installation dependent.

Product, substrate and site temperature, when mixing, during application and during cure, must be 65°- 85° F., humidity <60%, with good air circulation (box fans are required) for normal cure.

ONE UNIT consists of 2 (TWO) BOTTLES

- Part “A” Resin
- Part “B” Catalyst

A gallon unit will cover ~225-400 sq.ft; a quart unit ~50-90 sq.ft; a pint unit about 30-45 sq.ft. See 4 below.

1. **POUR----** Part B [1 volume unit] --- INTO
---- Part A [1 volume unit]
For smaller volumes, mix ratio is 1 part “A” + part “B” as 35% of “A” [20 parts “A” to 7 parts “B”]
2. **Immediately MIX WELL by SHAKING FOR 1-TO-2 MINUTES.**
3. **WAIT 10 MINUTES [induction time]. POT LIFE IS NOW ABOUT 45 MINUTES.**
[Induction times and pot life are at room temperature]
4. **APPLY with AIRLESS SPRAYER with 6.19 tip and minimum 50% overlap at about 225 – 300 sq.ft./gal [~5.5 - 7 mls WFT] for porous or heavily acid-stained concrete; at 325 – 400 sq.ft./gal [~4 - 5 mls WFT] for tighter surfaces and/or over primer. You want an even coat that gets substrate totally covered but without pooling.**

IF AIRLESS SPRAYER is NOT AVAILABLE, use short nap roller (3/16” or max 1/4”) or paint pad in standard “V”/”W” pattern laydown with backroll as below:

- ◆ **LOAD ROLLER. CREATE A “V” or “W” in a 4’ x 4’ AREA.** Do NOT pour product onto surface.
 - ◆ **Working in a pull/push mode (away from you and towards you), QUICKLY SPREAD THE MATERIAL.** Work with a free hand. The idea is just to spread material evenly.
 - ◆ **LIGHTLY BACKROLL.** Do not overwork.
 - ◆ **REPEAT THE ABOVE ADJACENT to the first area, OVERLAPPING THE NEW “V”/”W” SLIGHTLY INTO THE OLD.**
 - ◆ **WORK FAST** so that overlaps are **WET to WET.**
5. **FOR ADDED DURABILITY, heavy acid staining, very porous substrates, or potential standing water, apply two coats - with 2nd coat applied when 1st coat is print-free and totally clear (no haze). This is typically after 8 hours. NOTE: If you have applied a very heavy coat, especially under cool conditions/low air circulation, time until clear will increase.**
 6. **WHEN FINAL COAT “E3” IS PRINT FREE/TOTALLY CLEAR (no haze), typically in 8 hours, topcoat (optional) with StoneLok “2K”, StoneLok “MLT Plus” or SuperTop™.**
 7. **OBSERVE POST-APPLICATION PRECAUTIONS**

Clean up is soap & water. A small amount of acetone helps in spray guns. Close and properly dispose of bottles as job site chemical waste.

SUBJECT TO JOB SITE CAUTIONS IN MSDS & to RJSC LIMITED WARRANTY

STONELOK™ "2K2"

Highest Durability Coating

StoneLok "2K2" is RJSC's all-new updated version of StoneLok "2K",

for more than a decade the most durable, water-borne 2-component polyurethane system for the most rigorous commercial, industrial and architectural installations.

STONELOK "2K2" CT is newly and specifically formulated for Countertop Applications.

PROPERTY	RESULTS	ASTM METHOD
% Solids	64 typical	D 3960
Weight Per Gallon (in lbs)	8.87	D 1475
VOC	48 g/L ¹	D 3960
Pot Life	2 – 4 hours	NA
Recoat Time	6 – 24 hours	NA
Set to Touch	2 hours	D 1650
Print Free Time	12 hours	D 1650
Pencil Hardness	5H	D 3363
Direct Impact Resistance	>160 in/lbs	G 14-88
Indirect Impact Resistance	>160 in/lbs	G 14-88
Abrasion Resistance (CS-17 Disk, 1000 grams, 1000 cycles)	20 mgs loss	D 4060
CHEMICAL RESISTANCE (24 hour covered spot test)		
10% Hydrochloric Acid	No Effect	D 1308-87
25% Nitric Acid	Film Destroyed	D 1308-87
10 minute spot test	no effect	
20 minute spot test	8/few blisters	
30 minute spot test	8/medium blisters	
10% Sulfuric Acid	No Effect	D 1308-87
10% Ammonia	8 F Blisters	
10 minute spot test	no effect	
20 minute spot test	no effect	
30 minute spot test	slt.sftng/recovers	
Saturated Sugar Solution	No Effect	D 1308-87
Saturated Salt Solution	No Effect	D 1308-87
Methanol	No Effect	D 1308-87
Butanol	slt.sftng/recovers	D 1308-87
Mineral Spirits	No Effect	D 1308-87
Gasoline	No Effect	D 1308-87
Xylene	No Effect	D 1308-87
Motor Oil	No Effect	D 1308-87
Clorox	No Effect	D 1308-87

The new StoneLok "2K2" still features extraordinary abrasion resistance, 2x that for typical urethanes and 4x greater than typical epoxies. Performance characteristics, including high UV-, heat- and chemical-resistances, make "2K2" the ideal finish coat(s) for an incredibly wide range of installations from offices to retail stores, from hospitals to hotels, and from schools to senior living residences.

A system of StoneLok "2K2" over RJSC's StoneLok "E3" and/or TK6™ NanoCoat provides highest durability plus extraordinary protection. Virtually any design objective can be achieved with RJSC Colloidal Dyes added to RJSC primers and coatings.

StoneLok "2K2" requires precise, skilled application, but it is less sensitive than its predecessor and the end result is still the most durable finish coat for protecting engineered cements, concrete, tile, dimensional stone, and other architectural building materials.

Available in XTRA Low Gloss, Low Gloss and Gloss and all three in Anti-Skid versions; and as "2K2" CT for Countertops. Coverage is ~400 sq.ft./gallon.

To order or for technical support contact:

V-SEAL



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STONELOK™ “2K2” DIRECTIONS FOR USE

Product, substrate and site temperature, when mixing, during application and during cure, must be 65°- 85° F., with humidity <60%, and with good air circulation (typically box fans are required) for normal cure.

One “UNIT” = 2 containers. Identify the bottles! (They are shipped in correct mix ratios)

A = RESIN SIDE [waterborne resin] larger bottle

B = CATALYST SIDE [curing catalyst] smaller bottle

FOLLOW DIRECTIONS EXACTLY

- Use **NEW** mixing pails: a 2-gallon pail for 1-gallon unit; a 1-gallon pail for 3-pint unit
 - **Never mix more than 1 gallon of product in a single pail.**
-

1. **SHAKE PART "A"**

2. **POUR one PART "A" bottle – then – one PART "B" bottle --- into a mixing pail.**

For smaller volumes the mix is 2.5 Parts "A" [plus] 1 Part "B"

3. **Blade-stir with a drill for 5 minutes -- at low speed to minimize air entrainment and internal heat.** Work pail walls and bottom well -- the mix must be *totally* blended!

4. **WAIT 15 MINUTES** -- [*induction time to start reaction*]

5. **AFTER WAITING the induction time, DILUTE WITH 20% WATER as below**

For 1-gallon unit, add 24.3 fluid ounces water (720 mls).

For 3-pint unit, add 9.2 fluid ounces water (272 mls).

6. **BLADE MIX AGAIN for 1-2 minutes at low speed.**

You now have about 45 minute pot life.

7. **APPLY with an airless sprayer** at lowest pressure with a 6-15 or 6-17 nozzle and 100'-150' of hose.

For "2K2" Anti-Skid finishes use a 6-19 nozzle and remove filters in gun or use a paint-pad. Keep the solution continuously stirred. Occasionally back-clear gun.

Apply a thin, even coat -- typically 4 - 5 mils wet film thickness [~400 sq.ft. per gallon over sealed or tight surface; about 350 sq.ft./gallon over more porous substrate]. **This looks like a thin layer of no fat milk---the floor is “foggy-hazy”---never white.**

Walking backwards, spray each pass about 4' – 6' across, with a feather release at each change of direction, and an overlap of at least 50%.

Plan the application so that you can work WET to WET and continuously monitor coverage guidelines.

If an airless sprayer is not available, a short-nap roller (3/16" or max 1/4") or paint pad may be used by very skilled applicators. Product must be applied in "V's/W's" as below. Be sure not to overwork/over-roll. Change rollers as needed!

As above, continuously monitor coverage guidelines and work WET to WET.

If edge cut-in is needed, this must be done simultaneously with adjacent application, not before.

For roller application, visually measure off AN AREA ABOUT 4' X 4'

- ◆ **LOAD ROLLER and CREATE A "V" OR "W" IN THE ABOVE AREA.**
 - ◆ *Do NOT pour product onto surface.*
 - ◆ **Working in a pull/push mode** (away from you and towards you), **QUICKLY SPREAD THE MATERIAL.** Work with a free hand. The idea is just to spread the material evenly.
 - ◆ **LIGHTLY BACKROLL. Do not overwork.**
 - ◆ **REPEAT THE ABOVE ADJACENT to the first area, OVERLAPPING THE NEW "V"/"W" SLIGHTLY INTO THE OLD.**
 - ◆ **YOU WANT TO WORK VERY FAST so that overlaps are WET to WET. YOU WANT THE LOOK TO BE "HAZY FOGGY" -- like no-fat milk -- NEVER WHITE. IF THERE ARE ANY WHITE SPOTS (from drips, too heavy application, etc) IMMEDIATELY ROLL OUT.**
8. **Cure conditions** -- The water must leave the film for cure. Movement of air speeds cure time by removing the pillow of moist air that forms as the water leaves the coating. **In closed, "air-off" jobs, or if the air will be turned off within the first 12 hours of cure, it is very important to have box fans blowing about 2' - 3' up and across the surface** to maximize the cure speed and final resin density; and to ensure finish gloss as specified.

The material is typically print-free in 8 - 10 hours. Floors are typically walkable by LIGHT traffic in 15 - 18 hours. If needed for ongoing construction or transport, sealed surface can be covered with Kraft paper and Masonite about 15 hours after coating. **BUT -- if covered prior to final cure (3 – 4 days) and especially if there is potential for humidity build-up or turn-off of air, YOU MUST UNCOVER for the first 2 - 3 nights to allow for final cure; and re-cover in the morning.**

NEVER COVER WITH PLASTIC!

It's best to keep everything off the substrate for 24 hours (48 if possible) and final strength takes 3 - 4 days. For counters, it is best to allow 72 hours before exposure to chemicals or cleaning. THEN, clean only with RJSC cleaners.

Typical dry times above are temperature, humidity and air circulation dependent.

Notes on Multiple Coats: A second or third coat of StoneLok “2K” can be applied in 8-24 hour intervals for high-use areas. If two coats are pre-planned and “2K” Anti-Skid is specified, the first coat should be without anti-skid for maximum surface closure; and the final coat with anti-skid.

Close and dispose of containers as chemical waste. Clean up is soap & water. A small amount of acetone helps in spray guns and to remove overspray. Read and follow all job-specific instructions, site MSDS cautions, post-application precautions.

SUBJECT to RJSC MSDS' and LIMITED WARRANTY (below)

The products of Richard James Specialty Chemicals Corporation (RJSC) contain highest quality raw materials and are manufactured under strict conditions of quality control. RJSC cleaners are warranted to conform to manufacturing specifications for a period of one year from initial delivery when stored in conditions greater than 32° F. and below 90° F. RJSC primers, sealers, Colloidal Dyes, primers and sealers with incorporated Colloidal Dyes, and floor finishes are warranted to conform to the manufacturing specifications for a period of six months from initial delivery when stored in conditions greater than 32° F and below 90° F. No warranty or affirmation of fact, express or implied, other than as set forth in this limited warranty is made by RJSC regarding its product(s). This limited warranty only applies to products purchased directly from RJSC. RJSC expressly disclaims all express and/or implied warranties for its product(s) that are not purchased directly from RJSC or are resold to or by third parties.

Due to the possibility of improper application, adverse surface or climactic conditions beyond our control, users of RJSC products shall make their own determinations, based on their own tests, as to the suitability of the product(s) for the intended purposes. RJSC hereby expressly disclaims any liability for claims that are due to product misuse, improper product selection, misapplication of product(s), substrate selection and preparation, environmental conditions and any failure to observe safety precautions. RJSC hereby disclaims any implied warranties of merchantability or fitness for any particular purpose regarding any product.

RJSC shall have no liability for consequential, incidental and/or special damages regarding the sale or use of a product even if the potential for such damages has been disclosed to Richard James Specialty Chemicals Corporation. RJSC's liability for product claims is limited to only replacement, at the option of RJSC or refund of the purchase price of the product applied per most current published directions. RJSC's liability shall not exceed the purchase price paid for the product and shall not include any special incidental or consequential losses or damages resulting from selection, use, installation, handling, care of or replacement of the product(s). The limited warranty does not include labor or the cost of labor for application.

Should a claim be asserted against RJSC by any party who did not purchase products directly from RJSC, RJSC shall be indemnified and held harmless by the party who did purchase the products directly from RJSC, including the reasonable attorneys' fees, costs and disbursements incurred by RJSC in its defense of any said claim. This indemnification shall not be deemed or in any manner expand or create a greater obligation on the part of RJSC than that set forth in this Limited Warranty.

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STONELOK E3/2K2 COUNTERTOP KITS

MAINTENANCE PROCEDURES

The following procedures apply **AFTER** finishes are **FULLY CURED**. Frequency of procedures depends on use conditions, actual substrate (hardness, profile, porosity, etc.) and coatings (which products, number of coats, application methods, mil thicknesses, etc.)

1. **WIPE UP SPILLS** as they occur. Use damp cloth or cleaning solution of 2.
2. **CLEAN REGULARLY** with a 1:64 solution of **RJSC STONECLEAN Plus** using a dampened cloth. Increase to 1:50 for very oily surfaces.
3. **NEVER** use sealed countertop as cutting board.
4. **USE** coasters or felt pads below anything with sharp edges (e.g. wine bottles, metal stands, etc.)
5. **Do not place pots or pans directly from stove or oven onto the surface.** Use cooling racks or heat-absorbent pads.
6. **For commercial/heavy-duty use**, a periodic spray-and-wipe application of RJSC ARML Countertop Protector can help increase slip and reduce potential for scratching. NOTE: Test small area first.
7. *If gouging or other damage occurs*, contact your contractor or manufacturer to spot retouch with original sealer formulation over clear surface to prevent dirt and contamination from passing through to the substrate.

SUBJECT TO RJSC MSDS & LIMITED WARRANTY

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