

works best).

Thinning

Primer may be thinned so it can penetrate dense or tight troweled concrete surfaces. Add up to 40% xylene (use Acetone when applying in strict AQMD Districts like the SCAQMD). Apply the thinned material at the same coverage rate as un-thinned 4195. **NOTE* DO NOT THIN in cold temperatures** unless you are ok with it taking 2 to 3 days to dry, also thinning counteracts the accelerator so do not thin when accelerating.

Dry Times

PRIMER is usually dry in 8-16 hours on a 70 degree day. 4195 will take much longer to dry in cooler temperatures, for example it may take 48-60 hours to dry at 55 degrees F. You may use one to two 41 accelerators per gallon of 4195 to get it to dry in 16-24 hours at the cooler 55 degree temperatures. Just follow the instructions found in the 41 accelerator guide.

4195 Base Color Used in Samples to Achieve Desired Color Matrix

Lava Flow® Pack	Recommended 4195 Base Color
Arctic Pearl	White
Sterling	Whisper Grey
Black Olive	Black
Antique Silver	Whisper Grey
Palapa	Cottonwood
Copper	Mocha
Mocha	Mocha
Bikini	Cottonwood
Rustic Sky	Cottonwood
Chestnut	Mocha
Mandarin	Cottonwood
Mojave Sand	Mocha
Gold Dust	Cottonwood
Daydream	Cottonwood
Avocado	Black
Catalina Blue	Black
Pier	Whisper Grey
Curacao	Whisper Grey

STEP 2) INSTALLATION OF 4750 Lava Flow

(Note: Cure time is effected by environmental conditions. Do not force dry. Material has a pot-life of 40 minutes based on an insulated 1.5 gal mass at a starting temperature of 75°F. **Warning: Large masses of mixed and/or heated material will have a shorter pot-life.**)

Mixing

Mix 2 parts by volume 4800 EPOXY A-Component with 1 part by volume 4800 HD EPOXY B-Component for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Add 1 Lava Flow Color Pack to each 1.5 gallon kit of 4800 and continue to mix for another 1-2 minutes. Transfer mixed material to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture.

Tools

Tools required for application are a small 1/16th tooth trowel, brush and a pump sprayer for dispersing agent (Denatured Alcohol). We recommend test samples be made to find the desired effect if you have not installed the Lava Flow before.

Application

Sand the primed surface with 150 grit sand paper or use a floor buffer machine (black or green scotchbrite pad works best). Clean off all dust from floor before applying material. Apply the Lava Flow at a spread rate of 100 sq ft per gallon. Pour material onto the floor and work it back and forth with the notched trowel. Spray a little denatured Alcohol (using the same methods and precautions listed above in acetone description) onto completed work and move on to the next area (this causes the material to level out and the trowel lines to go away). Walk out onto the floor wearing spike shoes approximately 15-30 minutes after initial application and before the material tacks up & begin back spraying the area with denatured alcohol or other Designer Agent. This can be done very light or heavy, again depending on the desired effect. A light spray will yield a more uniform effect. A heavier back spray will create a more sporadic or cratering effect on the surface. (Large droplets of denatured alcohol will create very large craters).

Note: *If the back spray or use of denatured alcohol, gives you an undesirable effect, simply re-trowel or squeegee the surface area again. You will have 10-20 minutes to make these corrective steps, so that another back spray can be done. Also the appearance will change with the amount of time you let the Lava Flow set up and keep in mind it will be faster on warm days and much slower on cool days.*

Cure Times

Coating can typically accept light foot traffic in 8-16 hours, vehicular traffic with pneumatic tires in 24-48 hours. Full cure occurs in 5-7 days.

Clean Up

Immediately cleanup splatter marks and tools with lacquer thinner. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

STEP 3) Optional Installation of 5073 Polyurea Clear Protective Coat or Ultra Fast Drying 5205

Note: keep material cool for 24 hours before the installation, the ideal temperature is 70° F. Cure time is effected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has a pot-life of 60 minutes based on an insulated 200 gram mass at a starting temperature of 73°F. ***Expect a 40 minute potlife when working with a 2 gal mass at warmer temperatures. Warning: Unlike Epoxy, this Polyurea material has a longer potlife in the container than on the floor (it dries quick when in a thin film).***

Preparation

- Shut off all sources of ignition prior to work and ground all equipment throughout the sealing process.
- Supply auxiliary ventilation as necessary to produce a safe working environment.
- This material causes light headedness, use a NIOSH approved carbon filter respirator capable of filtering organic vapors.

Hot Weather Tips

5073 has a shorter pot life in very hot conditions. Keep core temperature to 80 degrees whenever possible; if it is above 80° F bring core temperature down by icing (do this hours before doing job so the core temperature is lowered) or placing in a cool environment the day before application. If instructions are not followed excessive heat may cause a shorter pot life.

Cold Weather Tips

Accelerator 50 may be used to speed the cure of 5073 at lower temperatures. Also, allowing extra induction time of mixed material in the container will also help speed the cure, however this should only be done by experienced applicators.

Mixing

DO NOT THIN 5073! For ideal potlife material should be at a temperature of (70-75° F) or below. Mix the A-Component with B-Component at ratios listed on container for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Transfer mixed material to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture. **Caution, Do Not Mix More than 2 Gallons at a Time. The more you mix the shorter your pot life will be.**

Anti Skid

Use our Rhino Grip Anti Skid agent with the Clear Coat to create better traction on the floor when dry. We recommend using Rhino Grip when installing any of our smooth finish systems so the finished product meets the ADA Compliance.

ASM 725 with Neolite pads on Solid Color using 0.50 Vial Pack per gal

Product	Rotation*				Average
	1	2	3	4	
5073	0.55	0.48	0.48	0.42	0.48
5073+RT90	0.52	0.54	0.58	0.60	0.56
5073+RT60	0.62	0.66	0.68	0.64	0.65
5073+RT30	0.80	0.70	0.74	0.72	0.74

Rhino Grip Mixing Instructions
Use 0.50 of a Vial Pack of Rhino Grip per mixed gallon of Clear Topcoat. Pour Rhino Grip into the A-Component of the system. Thoroughly mix and then add the B-Component of the system.

*Rotation is the orientation of the slip meter when the reading is taken.
1-North, 2-South, 3-East, 4-West

5073 or 5205 Application

Pour the Clear Coat from container as needed while leaving the remaining material in the container until needed. Unlike epoxy, the material will have a longer potlife when left in the container as opposed to being spread out onto the floor. Apply mixture to the substrate using a brush, roller, or squeegee at a desired coverage rate. Be sure to cross roll areas to be sure the material is spread evenly. Do not apply at rates less than 175 sq. ft. per gallon or out gassing bubbles may occur. Use spiked shoes when walking into wet material. Because the Clear Coats have such a high gloss be sure to remove dust from areas during application. Be sure to back-roll immediately and keep back-rolling to a minimum which will help control micro bubbles.

Cure Times

Allow Topcoat 2-3 hours to dry before recoating, if necessary. Recoating after 16 hours may require de-glossing of the surface by use of a floor buffer. Area may be opened to light foot traffic in 2-3 hours depending on environmental conditions. Area may be opened to light vehicular traffic in 12-24 hours depending on environmental conditions. Chemical resistance will not fully develop for 5-7 days. Protect floor from spills during cure.

Pilot lights and surrounding sources of ignition may be put back into service once solvent vapors have dissipated to a level below the lower explosion limit. Typically, this will take 3-6 hours after floor installation with adequate ventilation.

Clean Up

Immediately clean up splatter marks and tools with Acetone. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

ADDITIONAL CAUTIONS AND RECOMENDATIONS

- Denatured Alcohol, Lacquer Thinner and Acetone are FLAMMABLE
- Turn off all sources of ignition before and during installation
- Make sure area is well ventilated when working with Acetone, Lacquer Thinner or Denature Alcohol
- Ignition sources may be turned back on after material has cured and areas has been ventilated
- Do not force dry
- Coverage rates may vary
- Mask all areas that need protection
- Always wear protective clothing and equipment as required by OSHA and as necessary
- Read Material Safety Data Sheets before commencing work
- Store material at 50-70°F to prevent shortened pot-life due to excessive heat
- Coating may amber under exposure to ultraviolet light