



# LAVA DECK Waterproof Deck System



## Installation Guide for Plywood Decks

### Step 1

Prepare your deck surface by filling joints with a waterproof sealant, such as Sikaflex 1A. Fill all voids (knot holes, nail holes, etc.) to level the surface. Sand down any uneven joints or corners of the plywood. If you have a lot of imperfections to fill, try our Roof Goop Repair Mastic—works great for filling and leveling.



### Step 2

Apply one thin coat Lava Deck Primer at the rate of 300 square feet per gallon to entire deck surface. Do not apply excessive amounts of primer. Roll or brush out any puddles or drips while they are wet. Allow the primer to dry 1 to 2 hours. The surface, when dry, will still be a bit tacky. A 1/4" nap roller is best.



### Step 3

Brush or roll a heavy coat of Lava Deck Basecoat over joints and perimeter flashing. While the basecoat is wet, imbed the Lava Deck Mesh 4" x 180" roll into the wet coat and cover with more basecoat to lock in the fabric. You should only work a few feet at a time on this step, as the basecoat dries quickly.



### Step 4

When your joint/fabric application is dry, roll out your first coat of Lava Deck Basecoat over the entire deck at the rate of 100 sq. ft per gallon. Allow to dry 1 to 2 hrs. and follow with your 2nd coat of basecoat at the rate of 100 sq. ft. per gallon. Your surface is now "water-proof". A 3/4" to 1" nap roller cover is best for this application. Your topcoat can be applied within 2 hrs.



### Step 5

Apply your 1st coat of Lava Deck Topcoat at the rate of 200 square feet per gallon. This will dry in about 1 hour. Your 2nd coat of topcoat can be applied. Use a 1/2" nap roller on this application. Your selected color and non-skid texture are ready mixed for your convenience.



### Step 6

If you wish to achieve a semi-gloss finish, you may apply an optional coat of Acrysheen clear Sealer at the rate of 200 square feet per gallon. Use a 3/8" nap roller cover—a thin coat is best, otherwise it may get slippery when wet.



## WHAT YOU COULD DO TO SCREW THIS PROJECT UP!

1. You could start painting without fixing the imperfections in your deck. Although the Lava Deck System goes on heavy, coatings tend to profile the underlying surface. You might think of your deck surface as if it were drywall. The less imperfections, the better the end result.
2. You could apply the primer on too heavy. This will cause it to skin over and not dry thoroughly. Then when you start to coat over damp primer, blisters could occur in subsequent coats. Apply a thin coat and don't proceed until it dries "clear".
3. You could, by mistake, use our primer to imbed the fabric mesh used over the seams. The primer is not thick enough to hold the tape permanently. After it dries you could experience delamination of your tape job.
4. You could keep on painting until dark, trying to rush completion of your job. This is all water-based stuff. It doesn't dry after the sun goes down. If it happens to rain during the night you could get a wash-off. Try to finish up a couple hours before twilight so all of your hard work stays put.
5. You could roll out the basecoat as thin as a coat of "paint". You would end up with a very thin and weak film of waterproofing, which in the future, could crack and peel. The basecoat should be applied as thick as possible. If you have extra material, apply another one or two coats to strengthen the waterproofing membrane. If ample material is applied, your deck surface will be "waterproof" for years to come.

### ELASTOMERIC ACRYLIC DECK H2O-PROOFING TECHNICAL DATA

#### PRODUCT DESCRIPTION:

Lava Deck is a basecoat/topcoat, elastomeric rubber deck system, designed to protect and waterproof horizontal deck surfaces which have positive slope for drainage. If applied over properly prepared and primed plywood, concrete or previously painted deck surfaces, LAVA DECK will provide a permanently elastomeric, waterproof and aesthetically pleasing surface for pedestrian walkways, patio/lanai decks and other elevated surfaces. LAVA DECK TOPCOAT can be tinted to an unlimited array of colors and includes a fine texture in the mixture, providing a safe, non-slip surface to exposed traffic areas. LAVA DECK BASECOAT and LAVA DECK TOPCOAT are both 100% acrylic resin systems. LAVA DECK TOPCOAT is formulated with an epoxy additive for extra abrasion and wearability.

#### LAVA DECK BASECOAT PROPERTIES:

Weight Solids = 60% ASTM D2369

Volume Solids = 54% ASTM D5201

Weight per Gallon = 11.8 lbs. ASTM D1475

Dry Time for Water Resistance = 2.5 hrs at 70°

Tensile Strength = 250 psi ASTM D412

Elongation = 300% at 75°F. ASTM D412

Permeance = 3.0 US Perms ASTM E96

UV = 5000 hrs ASTM D822, G23

Weather = 5000 hrs ASTM D822, G23

Hi-Temp Stability = 250°

Hardness = 55-65 Shore A ASTM D2240

Bond Strength = Exceeds Cohesive

#### LAVA DECK TOPCOAT PROPERTIES:

Weight Solids = 52% ASTM D2369

Volume Solids = 38% ASTM D2697

Weight per Gallon = 10.5 lbs ASTM D1475

Flash Point = > 200° F. ASTM D3278

Recoat = 1-2 hrs at 75°

Cure Time = 48 hrs at 75°

Sheen = Satin

Hardness = 3H Pencil ASTM D3363

Dry Time = To Touch—30 minutes at 75°

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