

Application Instructions *“TrafficDek™ Flake System”*

Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degrees F. Low temperatures or great temperature fluctuations may cause crystallization. Coatings may cause surface to become slippery under certain conditions. If you require additional slip resistance a non-skid additive may be required. Consult with your representative for details. Keep out of the reach of children. Refer to Product label and MSDS for additional safety precautions. Check the weather forecast before starting this application. Do not coat when rain is imminent.

Surface Preparation

Moisture:

Legacy Industrial’s VaporDike™ primer is included. However, this product has limitations. Consult technical data for further information. Concrete decks that are in low lying areas, subject to excessive sub-grade moisture or subject to flooding may not be applicable for this product.

Prep the Deck:

All dirt, paint, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We highly recommend that the deck be diamond ground (see pic below) prior to application. In addition, holes, cracks, uneven areas or textured concrete should be patched, leveled or ground smooth prior to application. Thin overlayers, texture, cool-deck surfaces etc... should be ground completely off. Thicker overlayers that are attached very well and can be ground smooth may remain. A minimum level of CSP # 2 must be achieved.



NOTE: Ensure floor is dry and dust-free prior to coating.

VaporDike™ Epoxy Primer Application:

Mix VaporDike™ Primer:

Prior to mixing make sure the mixing pail is clean and free of any debris. Mix and transfer 1 gallon of Part A and 1 quart Part B in the mixing pail. Using a cordless drill on low speed with a proper mix-wand, Mix well, making sure to scrape the sides and bottom of the mixing pail thoroughly. Any unmixed liquids will not cure properly. Do not use partial kits.

Apply Primer:

Maintain temperatures within 55-90 degrees F with relative humidity below 80% during the application and curing process. Use the paint brush to cut in around the edges- areas your roller will not reach. Roll coating onto floor a 3/8" nap roller. The mixed material will coat approximately 275-300 sq ft per gallon dependent on the porosity of the deck.

This material has a pot life of approx. 40 minutes. When the end of the pot life has been reached, you will find that the material becomes hard to apply and will actually tend to roll back up onto the roller. Do not try to continue application when the coating has reached this step.

Allow primer to dry.

When applied at 70 degrees F this material will be ready for recoat in approximately 3-4 hours or 1 hour at 90 degrees f. It is best to test the coating before recoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating or top coating can commence. You may wait up to 24 hours before applying next coat, however we recommend not doing this if rain or inclement weather is possible or expected.

Instructions based on Legacy Industrial's VaporDike™ primer which is recommended with this system. A primer is always recommended for a uniform base coat and optimum penetration into the substrate.

TrafficBase™ Basecoat Application & Flake Application:

Mix TrafficBase™ Basecoat:

Prior to application, mix or stir to make sure pigment any pigment accumulated in the bottom of the bucket is well distributed. An accelerator can be added (1 pint accelerator: 5 gallon unit) to speed up cure time. This is useful on a cool day or when inclement weather is approaching, be careful on hot days, this may cause premature curing. Contact Legacy Industrial for more information regarding accelerator use.

Apply Base Coat:

Maintain temperatures within 55-90 degrees F with relative humidity below 75% during the application and curing process. Use a paint brush to cut in around the edges- areas your roller will not reach. The product may be dipped and rolled or it can be poured onto the substrate, squeegeed across the deck and back-rolled. Roll coating onto deck with a 3/8" nap roller. The mixed material will coat approximately 100 sq ft per gallon dependent on the porosity of the deck. It is important to cover the surface well as this is the adhesive for the flake.

This material has no pot life but will create a skin if left too long with the lid off. If this occurs, remove the skin, lay visqueen or the plastic we supplied in shipping over surface and place lid back on pail. We package this product in a nitrogen rich environment, once this lid has been removed the product should be used in its entirety.

Flake Application:

If the area is larger than 500 sq ft do not wait to finish the coating process before starting the flake distribution**. Take handfuls of flake and broadcast/throw across the still wet basecoat. Being sure to cover all areas so that no basecoat is showing.



*****You can also roll out all the basecoat and then walk onto the floor using a pair of “spike shoes”. These allow you to apply your chips/flakes post rolling, making the process a bit easier. BE CAREFUL! Floor will be slippery even with the spike shoes in place!!***

Allow basecoat to dry.

At 70 degrees F, the floor should be ready for clear coats within 8 hours. Apply topcoat within 24 hours of basecoat.

Chip Gathering and Sanding

Once the basecoat has cured and the floor is not sticky/tacky (approx. 8 hours), it is time to remove the excess flake. Using an electric blower or a good push broom, begin gathering up the loose flake. This flake can be captured and used on another project. Once this loose flake is gathered the floor should be lightly sanded (using light pressure) using a dry-wall pole sander with an 80 grit sanding screen in place or for large areas you can buff using a floor buffer with hogs-hair pad. The floor should be sanded in a North-South direction and then again in a East-West direction. Once fully sanded, this loose and broken flake should be gathered and discarded.



Clear Coat Application:

Applying the *TrafficTop™* Clear Coat

Once the basecoat has cured and you are able to walk onto it, it is time to apply *TrafficTop™* clear. Read and obey the safety warnings/precautions on the can prior to opening and consider adding a non-skid at this point (recommended for any area that may get wet). This is a single component moisture cured polyurethane. You will cut in the edges and perimeter using a paint brush or small roller. In open areas pour material directly from the can to the surface, squeegee the material over the entire area, pulling it along with the squeegee. Avoid leaving puddles. As the material is pulled back with the squeegee, a helper or 2nd person should be back-rolling the product. This will even the product out and remove any “lines” left behind by the squeegee.



Allow polyurethane to dry.

At 70 degrees F, the floor should be ready for light foot traffic within 8 hours. Full pedestrian traffic at 24 hours.

Recommended: We recommend skid resistance be added to your TrafficDek System. We offer HDGrip- Soft Skid anti-skid material in (3) levels of grit. Extra-Fine, Fine and Coarse. Up to 6.4 Tablespoons of soft skid can be mixed into 1.0 gal of polyurethane without clumping. ***IT IS UP TO THE USER TO DETERMINE THE PROPER AMOUNT AND LEVEL OF ANTI-SKID REQUIRED.*** We supply FINE as standard when selected. However, we will provide any level you request at no extra charge. If you are not sure what level you need, it is recommended that the user perform a test patch of product prior to installing the entire kit.

These instructions are to serve as a basic guide. Field conditions are not consistent and therefore application and preparation methods may have to be modified in order to achieve a successful outcome. Installers assume this risk.

Contact: sales@legacyindustrial.net or dial: 1-888-652-0333