

EkoFlo Bucket Kit

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FEATURES & BENEFITS:

The EkoFlo Bucket Kit comes complete with ready-to-use decorative pebbles and EkoFlo permeable pavement binder. This DIY kit is ideal for small to midsize projects around the home and relieves the installer of sourcing and preparation of complementary pebbles. Each kit includes 48 pounds of clean, dry 3/8" pebbles and an enclosed installation pouch with 16-ounce bottle of EkoFlo, safety gloves, installation guide, and safety information all tucked inside a heavy duty mixing bucket. The mixing process is even easier when using the EkoFlo Mixing Wand drill attachment (sold separately). Once mixed thoroughly, the blended material can be poured into place and smoothed evenly finish using a trowel.

- Ready-to-Use DIY bucket kit includes pebbles, EkoFlo binder, safety gloves, and instructions
- EkoFlo is a permeable pavement binder commonly used for walkways, patios, tree wells, and other landscaping surfaces
- (1) 50-pound bucket kit covers up to 4 square feet at recommended 1.5" installation depth
- Mix directly in bucket with EkoFlo Mixing Wand drill attachment (sold separately)
- Blended material trowels easily into place and forms a rigid surface that allows water to pass through easily

COVERAGE RATES:

(1) 50-pound EkoFlo Bucket Kit covers up to 4 ft² at a 1-½" depth

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SAFETY INFORMATION:

ISOCYANATE DISCLOSURE

This product contains isocyanate, and although rare, may produce an allergic reaction in some people. Persons allergic to isocyanate, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanate.

When working with this product, always use **Personal Protective Equipment (PPE)** including;

- > Safety glasses / face shield
- > Impenetrable gloves
- > Long sleeve shirt
- > Long pants
- > Close-toe shoes or boots

AVOID DIRECT CONTACT WITH SKIN

In any case of liquid binding agent or blended material making contact with skin or clothes, clean immediately with soap and water.

TOOLS:

BASIC

- > EkoFlo Mixing Wand
- > EkoFlo Mixing Bucket
- > EkoFlo Mixing Bucket Grip
- > ½" drive cordless drill driver w/ steel chuck and side handle
- > Concrete trowel
- > WD-40® and/or PAM® cooking spray
- > Cleaning rags or towels

OPTIONAL

- > For larger projects;
 - o 36" grade rake
 - o Screed board
 - o Hand tamp
 - o Push broom
 - o Steel drum walk-behind roller
 - o Vibratory plate compactor
 - Subbase only

SUITABLE APPLICATIONS & MATERIALS:

APPLICATIONS

- > Patios
- > Walkways
- > Tree Wells
- > Planter Beds
- > Drainage Conductors

SURFACE MATERIALS

- > Clean, dry, triple-washed, ¼" - ¾" blend of pebbles (included in kit);
 - o Cabo Mountain
 - o Redwood Beach
 - o Trinity Creek

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INSTALLATION:

TOP 5 TIPS

- EkoFlo contains isocyanate, and although rare, may produce an allergic reaction in some people. Persons allergic to isocyanate, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanate. When working with EkoFlo, always use personal protective equipment (PPE) such as safety glasses, impenetrable gloves, long sleeves and pants, and closed toe shoes or boots (avoid direct contact to skin).
- EkoFlo should be installed within an ambient and surface temperature range of 55° – 90° F. Shaded, low sunlight, or colder areas will lengthen cure times. Conversely, direct sun, warmer areas will shorten cure times. Avoid temperatures at or below 55° F and above 90° F for EkoFlo installation, curing phase, or storage.
- Under-applying EkoFlo binder will reduce bond strength. Conversely, over-applying will adversely affect the curing process and aesthetic. Always consult manufacturer coverage rate guidelines, or contact TechniSoil technical support at: 877-356-2250.
- Do not install EkoFlo less than 48 hours before or after rainfall. In damp conditions, allow to dry completely before application. Disable any irrigation systems near treated areas during application and cure phase.
- Mask all adjacent surfaces with tape and polyethylene film to protect surface materials from possible staining (i.e. stone, pavers, concrete, etc.). Clean any accidental spills immediately with acetone and a washcloth.

PROJECT PLANNING

- Always perform a test section using recommended installation methods to confirm suitability of materials and project conditions!
- Bulk materials are not recommended, unless thoroughly washed, dried and tested for suitability. Pebbles containing sediments, dust, or fines, must be thoroughly washed and dried prior to use.
- Coverage rate is dependent on pebble size, and surface depth. See coverage chart.

PROJECT PLANNING (continued)

- Surface sheen may vary over time due to weathering and foot traffic.
- For optimal water transfer permeability, a subbase comprised of compacted, screened rock is recommended. For heavier use projects, a subbase material with a higher load bearing capability is required, but may reduce overall permeability.
- Keep project area free from any moisture such as rain or irrigation sprinklers, foot traffic, or otherwise until fully cured (24 - 72 hours in optimal conditions, or until completely dry).

MATERIAL SELECTION

- Clean, dry, triple-washed, ¼" - ⅜" blend of pebbles (approximately 48 pounds included in bucket kit);
 - Cabo Mountain
 - Redwood Beach
 - Trinity Creek

MIXING: EkoFlo Mixing Kit

- For best results, use the **EkoFlo Mixing Kit** (some items sold separately).
 - **EkoFlo Mixing Wand**
 - For use with ½" drill w/ steel chuck and side handle.
 - **EkoFlo Mixing Bucket** (included)
 - **EkoFlo Mixing Bucket Grip**
- Insert Mixing Wand into drill and tighten.
- Attach Bucket Grip to bottom of Mixing Bucket
- **TIP:** For ease of use and limited strain to drill, it is recommended to mix no more than 50-pounds of pebbles with EkoFlo at a time.
- Make a cone-shaped divot in the middle of the pebbles.
- Pour entire contents of included EkoFlo binder bottle into divot.
- Insert Mixing Wand and begin to spin, slowly at first, and then progressively faster
 - Take care to avoid spinning the binder out of the bucket before it is tilled into the pebbles.
- Mix thoroughly until the pebbles are evenly coated.
- Clean Mixing Wand and other accessories with WD-40® and a rag as needed.

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INSTALLATION

- **Personal Protective Equipment (PPE) is mandatory**
 - Safety glasses / face shield
 - Impenetrable gloves
 - Long sleeve shirt
 - Long pants
 - Closed-toe shoes or boots
- Calculate the square footage of the project area to determine material quantities needed for all aspects of the project.
- Consider methods for excavation and removal of native soil or existing structures, as well as transportation, delivery, and installation of new materials.
- Excavate project area to an adequate depth to account for water percolation and drainage.
- Weed or landscape fabric is not recommended, as it can trap moisture below the surface layer.
- Use vibratory plate compactor to compact native subgrade in 3 - 4 passes, or as needed for adequate compaction.
- Edge restraints are recommended for best results, optimal stability, and can greatly reduce degradation of edges caused by foot traffic or otherwise.
- Edge restraints should not be higher than surface layer finish grade.
- If project does not call for installation of edge restraints, proper compaction of edges is required.
Some common examples of edge restraints used in this capacity are;
 - Concrete landscape curbing
 - Bender board
 - Plastic or aluminum edging
 - Pressure treated lumber
- Load bearing qualifications for any standard surface should be considered when constructing subbase for EkoFlo. While certain applications will allow for better drainage, they may not be adequate for various traffic loads. Consider the traffic load before constructing subbase.
- For optimal water transfer permeability, a subbase comprised of compacted #57 screened base rock or equivalent is recommended.

INSTALLATION (continued)

- While a subbase construction consisting of a compacted crushed stone mix will provide for higher load bearing performance, it can reduce the drainage performance.
- Excavate project area to an adequate depth to allow for water percolation, drainage, and a recommended EkoFlo material depth of 1.5".
- Subgrade should consist of at least 2" - 4" of compacted 3/8" - 3/4" minus structural base rock or adequate crushed stone mix for subgrade construction to provide optimal load bearing support.
- Use vibratory plate compactor to compact subgrade 3 - 4 passes, or as needed for adequate compaction. If subbase material is dry, a light amount of water may be needed for proper compaction.
- Pour blended mix directly onto prepared surface area. EkoFlo treated pebbles should be installed within 15 minutes of mixing.
- Use a masonry trowel, rake, and/or screed board to level and compact the pebble mixture to desired grade (1.5" recommended depth).
- Roll with a drum roller to attain a smooth surface, if needed.
- All pebbles should be flush and smooth at the surface level.
- Immediately after use, completely clean all tools and equipment with WD-40® or acetone and allow to soak for 1 - 2 minutes.
- Allow surface to cure for 24 - 72 hours depending on conditions. Material will begin to solidify within 4 - 12 hours.
- Avoid unnecessary foot traffic, water infiltration, or otherwise on treated areas until fully cured (usually 24 - 72 hours).
- Remove any temporary edging 5 - 6 days after installation.

CLEANUP

- Clean any tools and equipment with WD-40® and a dry cloth as needed.
- In case of accidental EkoFlo spill onto tools, equipment, or concrete / hardscape surface, clean immediately with WD-40® and a dry cloth as needed.
 - For dried EkoFlo, use acetone and a dry cloth or brush to scrub affected areas.

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CLEANUP (continued)

- In case of accidental EkoFlo spill onto skin or clothes, clean immediately with soap and water.

STORAGE

- Store unopened / unused EkoFlo out of direct sunlight in areas with a temperature range of 40° - 90° F.
 - Do not allow material to freeze.
- After opening, EkoFlo should be stored with a tight lid as it can slowly begin curing inside the bottle once air is introduced.

MAINTENANCE

- Treated areas should withstand normal conditions for 24 - 60 months before a maintenance coat is needed.
- If a maintenance coat is needed, apply EkoFlo at a rate of 150 ft²/gallon using a paint roller or brush.

WARRANTY

- TechniSoil Global, Inc. warrants this product to be free from defects. Where permitted by law, TechniSoil makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to orchestrate their own tests to determine the suitability of this product for their particular purpose. TechniSoil's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which product proven to be defective has been applied. Acceptance and use of this product absolves TechniSoil from any other liability, from any and all sources, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of TechniSoil, its distributors or dealers, independent contractors, clients or end-users of any kind.