

ECONOKOAT

DRY DECOMPOSED GRANITE STABILIZER



What is EconoKoat

EconoKoat Stabilizer is an organic powder infused with A proprietary Super Binder "**FlexiKoat**" that stabilizes soil by first coating and then binding soil particles. The organic powder It is a natural, non-toxic, non-staining, odorless, environmentally safe powder derived from crushed seed hulls. **EconoKoat** can be used with a variety of crushed aggregates such as Crushed Stone, Hard Rock, or Limestone, but is most commonly used to stabilize Decomposed Granite to create natural looking pathways, patio's, driveways, parking areas and more. **EconoKoat** increases the strength of aggregates to reduce the natural erosion process. **EconoKoat** is the only decomposed granite stabilizer made with our proprietary "Super Binder" "**FlexiKoat**" manufactured solely by **TerraKoat International**. One ton of Stabilized aggregate typically covers approximately 80 sqft. at a 2" depth. Coverage will vary depending on aggregate.



Decomposed Granite

Select a Decomposed Granite or crushed aggregate for use with **EconoKoat** that has both aggregate and fines. **EconoKoat** will not bind every aggregate, so please keep to the following sieve guidelines below. The sieve analysis below is just a guideline and does not need to be matched exactly. If you are unsure if your aggregate will work well with **EconoKoat**, you can send us a sample for a free analysis.

U.S. Sieve No.	Percent Passing by Weight
# 3/8"	100
# 4	90 – 100
# 8	75 – 80
# 16	55 – 65
# 30	40 – 50
# 50	25 – 35
# 100	15 – 20
# 200 to	10 – 15

Preparation

EconoKoat Stabilized aggregate requires a 3" to 4" compacted layer of road base. Pre-soak the base material with water and compact to 95% prior to installing **EconoKoat** Stabilized aggregate. Although the final product is porous, it is recommended to have proper drainage available to ensure no standing water on surface or next to to **EconoKoat** Stabilized aggregate, including downspouts when placed under roof overhang..

Blending

EconoKoat Stabilizer should be thoroughly pre-mixed with Decomposed Granite or crushed aggregate at the rate 15 lbs of **EconoKoat** Stabilizer to every ton of crushed aggregate or DG used. **EconoKoat** Stabilizer should be mechanically blended using a large or small cement mixer, pug mill or Dakota blender. Generally any paddle type blender. Always blend the material DRY. Leave material in mixer for several passes of the mixing paddles. **EconoKoat** Stabilizer should be mixed thoroughly. It will disappear within material quickly, but may not be completely blended so be sure to allow at least 30 seconds to blend. Drop spreading of **EconoKoat** Stabilizer over pre-placed aggregate or mixing by rototilling is ONLY acceptable if approved by a **TerraKoat** International representative. Screw type blenders and bucket blending are not approved methods of mixing. If you wish to use another type of blending method other than what is described please contact a **TerraKoat** International representative for approval @ 407-442-7334.



After **EconoKoat** Stabilizer is blended into aggregate, confirm that Stabilizer has been thoroughly blended. The best way is to do this is by performing what we call the ball test. Instructions below.

- Take a handful of blended aggregate and add a few ounces of water to it.
- Work around material in both hands to ensure no dry aggregate remains.
- Form aggregate into ball by hand and apply pressure.

The result should be an aggregate ball with a doughy consistency that holds together. You should be able to toss the ball in your hand without it breaking apart.

Installing EconoKoat Stabilized Aggregate

Place the **EconoKoat** Stabilized aggregate mixture on the prepared base, and rake smooth to desired grade and cross section. Place material to sufficient depth to allow 3" for light traffic or 4" depth or high traffic, after compaction. Do not install Stabilized aggregate during rainy conditions or below 40 degrees Fahrenheit.

Watering

Water activates **EconoKoat** Stabilizer. It is essential that **EconoKoat** Stabilizer be watered thoroughly through the entire depth. To achieve saturation of Stabilized aggregate profile, 25 to 45-gallons of water per 1-ton must be applied. During water application, test moisture penetration using a probing device reaching full depth. **Better to over water than under water.**

Compaction

Wait a minimum of 5 hours to a maximum of 48 hours, or until the aggregate is able to accept compaction from either a plate compactor or 1 to 5 ton roller. After the aggregate begins to dry out and setup, compaction can begin when you can walk on the material without sinking in significantly and material does not feel too muddy. Do not allow material to dry out completely.

If surface aggregate dries significantly quicker than subsurface material, lightly mist surface before compaction. Compact the material with a plate compactor or roller making 3 to 4 passes (do not use the vibration setting on the roller). Upon thorough moisture penetration, compact aggregate to 85%. Installation of **EconoKoat** Stabilized aggregate more than 3" must be installed in lifts. If 4" thick compact in (2) 2" lifts. If 5" thick, compact in (2) 2.5" lifts. If Stabilized aggregate is pre-moistened before installation entire 4" or 5" lift may be installed.



Allow aggregate to dry completely. Drying time may vary depending on amount of water used and weather conditions. Once completely dried, the surface should be smooth, uniform and solid. No evidence of chipping or cracking. Cured and compacted surface should be firm throughout profile with no spongy areas. Loose material will not be present on the surface after installation, but may appear after use. Surface should remain stable underneath the loose granite on top. **EconoKoat** Stabilizer will not turn the aggregate into concrete. You can still feel the crunch of the gravel under foot. It is a "natural" looking pathway, yet stable throughout and can withstand vehicle traffic and weather extremes. Any significant irregularities in surface should be repaired to the uniformity of entire installation.

Remove debris, such as paper, grass clippings, leaves or other organic material by mechanically blowing or hand raking the surface as needed. During the first year, a minor amount of loose aggregate will appear on the surface (1/16 to 1/4"). If this material exceeds a 1/4 of an inch, redistribute the material over the entire surface. Water material thoroughly to the depth of 1", and compact with power roller of no less than 1000-lbs.

WARRANTY:

TerraKoat International cannot guarantee results as it has no control over surface and sub-surface preparation and product application. **TerraKoat International** agrees that, if the product is proven to be defective, and on the condition that it was installed pursuant to the method of application of surface and sub-surface preparation described above, then **TerraKoat International** agrees to replace the product purchased at no additional cost to the customer. Proof of purchase is required for any claim. EXCLUSION OF RESPONSIBILITY THE PARTIES AGREE THAT REFUND OF THE PURCHASE PRICE AS STATED IS THE ONLY OBLIGATION OF **TERRAKOAT INTERNATIONAL**. IN ALL EVENTS, **TERRAKOAT INTERNATIONAL**, SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES OR COSTS, DIRECT OR CONSEQUENTIAL. TO THE EXTENT PERMITTED BY LAW, **TERRAKOAT INTERNATIONAL**, EXCLUDES ANY IMPLIED WARRANTY OF QUALITY, MERCHANTABILITY OR FITNESS FOR PURPOSE.