MAINTENANCE GUIDE

All outdoor products require a level of maintenance analysis. It is recommended to do a thorough analysis of your installed Organic-Lock blended aggregate 7 days after installation followed by monthly analysis to ensure no alterations are required.

EROSION DAMAGE

The greatest element of concern, is rainfall erosion. Often, this problem can be greatly reduced by adjusting the watershed areas surrounding the product itself. The best way to determine how the water is building up, is to examine your project area during a rainstorm. Learning where the water is coming from can lead to water diverting that dramatically reduces the stress on your surface.

Installing culverts, drains, cross slopes, crowns, or diverters can limit the majority of stress causing damage.

If you do experience erosion damage, first look at ways to get the water away or slow the water down, that's causing the damage...secondly, replace the lost material with new material following the guidelines below.

EXCESS LOOSE MATERIAL

Directly after the installation, the aggregate surface will be smooth because of the weight of the fresh compaction. As the surface weathers with traffic and time, the larger particles of the aggregate will loosen on the surface to create a natural look and feel....which is often sought after. The loose aggregate particles on your surface should not exceed ¼" in depth.

Sweeping off the excess particles can be accomplished in areas where excess ¼" chip is not detrimental. These loose particles can also be shoveled and removed from site. The remaining surface will eventually chip loose again, so new material is recommended as a top up (see instructions below) after doing this more than once.

If material exceeds a ¼", redistribute the particles over a greater surface, scarify the surface to a depth of 1" and water to a 1" depth and compact with a roller of no less than 1000-lbs. Keep traffic off for 24-72 hours.

REMOVING DEBRIS

You can remove grass clippings, soil, debris or organic material by mechanically blowing or hand raking as needed.

SNOW PLOWING

Shoe Lift

Rubber Baffle

When plowing snow, use a shoe lift or rubber baffle on the blade of the plow to lift the blade up 1/4" off the surface. Extra precautions should always be taken after the first snow and last snow of the season, as this is when the material is most prone (i.e. the ground is not frozen).

Adding Organic-lock Blended Aggregate Material To Damaged Areas

FIXING LIGHTLY DAMAGED AREAS

Lightly damaged areas can be repaired by soaking, scarifying with a rake to 1-2 inches and compacting the scarified area using a roller or a hand tamper.

Soak

Rake

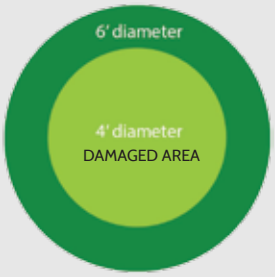
Compact

ADJUSTING ORGANIC-LOCK BLENDED AGGREGATE

The Organic-Lock gel activates each time it comes in contact with water, which allows for the blended aggregate to be physically broken up, re-worked and returned back to its initial state. This self-healing nature allows for a simplified maintenance procedure that leaves no sign of the maintenance itself.

For example, if you have to run an irrigation line below your finished pathway, all you need to do is add water, dig the material up, put down your irrigation line, spread the material back in place, then water and compact it back.

FIXING LARGER OR MORE SEVERELY DAMAGED AREAS



Excavate the damaged area to a depth of 2" to an approximate 50% increase in area (i.e. if your damaged area is in a 4 foot radius circle, excavate a total of 6 feet in diameter).

Estimate amount of material lost or material needed to be topped up and acquire that amount of pre-blended Organic-Lock aggregate.

REMOVE AND BLEND THE MATERIAL OFF SITE

Add the excavated material to a clean pad. Add new Organic-Lock blended aggregate (using the same native aggregate) at a 3:1 ratio to the recently removed and excavated material on the clean pad. Using a front end loader (or shovels for smaller projects) mechanically turn the combined material over until you achieve a homogeneous blend.

H_2O % IS KEY

ADD WATER

Mix in water to the aggregate to get to approximately 10% total moisture content (without going over).

To do this, you want to blend the Organic-Lock blended aggregate with small 1% increments of water until you achieve an ideal snowball as per below.

Start by determining the approximate weight of the aggregate so that you can determine the volume required for 1%.

Use the below calculations to determine the 1% increments of water to add:

1 gallon of water = 8.3lbs

Therefore:

1000lbs of aggregate would require 1.2 gallons of water at 1%

In the example shown on the next page, you should add 1.2 gallons of water to the 1000lb pile of aggregate, blend thoroughly, then test the material by making a snowball. If the snowball does not hold its form, add another 1% of water and try again. Complete this until the snowball can just barely hold its form.

NOT ENOUGH WATER

TOO MUCH WATER

IDEAL AMOUNT OF WATER

STEP TEST

Left - too much moisture Right - ideal moisture

If you find yourself with a batch that is too wet (you want to avoid this), the best thing you can do is add further dry material into the mix to dilute the moisture and return to a proper snowball. Once the snowball can just barely hold its form, you are done adding water.

SPREAD THE MATERIAL

Before spreading the new material into the existing site, lightly saturate the excavated area to gain a slightly moist consistency. Spread the new saturated Organic-Lock blended aggregate into the excavated area using rakes or using an asphalt spreader for larger areas.

COMPACT THE MATERIAL

Once the new material is spread, compact this material using a minimum 1 ton roller making 4-6 passes until there are no visible lines.

FINAL SOAKING

Spray the compacted material with a final light mist spray to ensure the surface material is properly saturated and able to gel.

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