

The self-healing organic binder.



For trails and other aggregate surfaces.



ORGANIC-LOCK[™], MADE FROM NATURALLY OCCURRING MATERIALS, IS THE STRONGEST PERFORMING ORGANIC GLUE ON THE MARKET.

The patented formula is the result of more than 10 years of agricultural and geotechnical science with more than 6 different PhD's involved in the research. Using a plant-based glue, the Organic-Lock[™] swells into a gel each time it is in contact with water. This gel grips onto all the particles around it, creating an invisible buffer zone on top of the aggregate surface. This buffer zone allows water to stream over the surface without eroding material.





Organic-Lock[™] is designed to be

combined with crushed aggregate

to create a stabilized surface that

resists erosion and reduces maintenance,

while maintaining a natural

look and feel.



Larger particles of the aggregate are designed to loosen on the surface over time, to achieve a look and feel that will fit into any natural surrounding.

EDGING OPTIONS

Edging options vary depending on

aesthetic appeal and structural requirements.

Some options are listed here.

INSTALLATION GUIDELINES FOR ORGANIC-LOCK PATHWAY AGGREGATE

The pre-wetting of aggregate blended with Organic-Lock[™] prior to placement and compaction is ideal for proper installation. Pre-wetting of aggregate can be done in small batches on the job-site by means of a front loader and a water source. The key to a successful installation is the moisture content. If pre-wetting is not possible, please contact Kafka Granite to review alternate methods of installation.

PREPARE SUBGRADE

Excavate area to depth required so that finish grade can be established as noted on plans. Compaction % of the aggregate will vary from aggregate to aggregate. Prepare mock-up to confirm proper compacted depths. Compact subgrade to 95% modified proctor density.

Place base material to approved depth, and compact to 95% modified proctor density. Incorporate crowns or swales, where appropriate, to reduce the chance of sitting water.

A front loading tractor and water source can be used to pre-wet the Organic-Lock[™] Pathway Aggregate on the job site. This can be done by slowly adding water to the dry pre-blended Organic-Lock[™] Pathway Aggregate and turning over the

Organic-Lock[™] Pathway Aggregate pile until optimum moisture content of between 10-12% is achieved. A thorough blending and consistent moisture content is important to achieve success. If you can easily make a ball, there is too much moisture.

achieved in the Organic-Lock[™] Pathway Aggregate, it must be spread and compacted. The use of a paving machine is highly recommended for larger projects to evenly spread Organic-Lock[™] Pathway Aggregate at the specified depth, though a box Gannon[™] or similarly equipped tractor/loader can also be used. If installing more than 3 inches, separate lifts are required.

After the proper moisture content has been

Compact the Organic-Lock[™] Pathway Aggregate using a 1 ton (or larger) double drum or single static drum roller, or equivalent. Do not use a vibratory plate compactor or vibratory setting on the roller. Compaction of the Organic-Lock[™]

Pathway Aggregate will be complete when no further visible roller marks can be seen on the surface.

5 The surface of the Organic-Lock[™] Pathway Aggregate shall be true to elevation and shall not vary more then 1/4" at any location when tested with a straight edge. Surfaces shall be crowned at a minimum of 2% and about flush with adjacent materials and/or edge restrain. The surface shall be sloped a minimum of 1% to drain away from structures.

After the Organic-Lock™ Pathway Aggregate has been compacted, it is recommended that you apply a light spray to the surface to give it a clean appearance. Stop spraying the surface once the water begins to run off.

Do not allow any heavy traffic on the newly installed Organic-Lock™ Pathway Aggregate until fully cured. Light pedestrian traffic can be allowed after the surface has visually dried and feels firm under

footing. However, Organic-Lock™ Pathway Aggregate should be allowed to fully cure before vehicle use is permitted. Curing times will depend on many factors including moisture content at the time of installation, climate, depth of installation, etc.

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