



WAX-COATED TRAIL AGGREGATE



RESILIENT, NATURAL SURFACES BUILT FOR MODERN TRAILS.

Kafka Granite's Wax-Coated Aggregate is a trail surface material specifically developed to deliver long-term performance in demanding environments – without sacrificing the natural look and feel users expect.

Developed and refined through decades of real-world application, this proprietary material combines precisely graded natural stone with a polymeric wax in a controlled process. The result is a firm, stable, and cohesive surface that resists erosion, eliminates dust and mud, and performs reliably across a wide range of climates and conditions.

Unlike loose aggregates that shift, wash out, or require constant maintenance, Wax-Coated Aggregate compacts into a durable, sealed surface that stays in place—even on steep slopes and high-traffic trails – supporting sustainable trail design and reducing ongoing maintenance demands.

From multi-use trails and bike-optimized singletrack to accessible pathways and park systems, Kafka's Wax-Coated Aggregate provides a consistent, low-maintenance material solution – serving as a sustainable alternative to traditional paving for trail builders, designers, and land managers focused on long-term performance and responsible design.









NATURAL LOOK & FEEL

Blends into the landscape with a natural appearance and a surface that feels right underfoot.



RANGE OF COLOR

Available in a variety of natural tones to either complement surroundings or subtly define the trail.



VARIETY OF APPLICATIONS

Designed to perform across a wide range of trail types, environments, and user goals.



ACCESSIBILITY & INCLUSIVITY

Creates a firm, stable surface that supports ADA-compliant design and inclusive trail access.



ALL-WEATHER ACCESS

Maintains a consistent, usable surface through wet, seasonal conditions and easily handles snow removal.



GRADE & SLOPE PERFORMANCE

Holds its shape and resists movement, even on steep grades and challenging terrain.



DURABILITY & EROSION RESISTANCE

Sheds water and resists erosion, maintaining surface integrity under intense weather and traffic.



DUST & MUD RESISTANCE

Eliminates mud and dust — maintaining access, preserving trail quality, and improving user experience.



SUSTAINABILITY & LIFECYCLE

Reduces maintenance and material replacement, lowering long-term costs and environmental impact.



EASE OF INSTALLATION

Pre-blended and ready to place — no mixing, activation, or specialized equipment required.



WORKABILITY

Easy to shape and contour, with flexibility to place and compact in tight and hard-to-reach areas.



LOW MAINTENANCE

Drastically reduces maintenance, with the ability to be easily reworked and re-laid if needed.

NATURAL AESTHETICS. INTENTIONAL DESIGN.

Natural crushed stone brings an inherently natural aesthetic to trails — the familiar crunch underfoot, the softer feel of the surface, and the earthy tones of the material. Kafka's Wax-Coated Aggregate delivers a grounded, cohesive experience that complements movement through a natural landscape, reinforcing the sense that the trail belongs to its surroundings.

Available in five natural colors, Kafka's Wax-Coated Aggregate gives control over how a trail relates visually to its environment. A tone-matched aggregate allows a trail to recede quietly into the landscape, while a contrasting aggregate can serve as a deliberate design element to define edges, guide movement, or draw the eye through a space.



AUTUMN BLEND



BEIGE BLEND



PLATINUM



RUSTIC



TWILIGHT BLACK





The aesthetic and accessibility improvements were instantly recognized, with extremely positive feedback from members, visitors, and participants. Kafka's Wax-Coated Aggregate allows for quick cleanup and care, while handling utility vehicles, tractors, and small machines without rutting or erosion concerns.

PATRICK MURPHY

Grounds and Operations
Monk Botanical Gardens





SHARED-USE TRAILS



MULTI-USE TRAILS



BIKE OPTIMIZED & SINGLETRACK



PUMPTRACKS & SKILLS PARKS



HIKING & TRAIL RUNNING



EQUESTRIAN TRAILS



PARKS & MUNICIPALITIES



BOTANICAL GARDENS & FOREST PRESERVES



VEHICULAR ACCESS



ADAPTIVE & ACCESSIBLE TRAILS

BUILT FOR REAL-WORLD CONDITIONS.

Kafka's Wax-Coated Aggregate performs reliably across a wide range of terrain — from steep grades and high-use trails to areas where material stability and consistency are critical. Once compacted, the surface holds its shape, resists movement, and provides a firm, stable tread under continued use.

The material is designed to withstand the demands that typically drive maintenance — erosion, displacement, and surface breakdown. It sheds water rather than absorbing it, helping prevent washouts and rutting, while maintaining a consistent surface that reduces the need for frequent repair.

Across varying climates, performance remains consistent. In wet conditions, the surface stays firm and resists erosion. In dry environments, it eliminates dust. Through freeze-thaw cycles, it resists the heaving and surface disruption common with traditional materials — helping maintain access and preserve trail quality over time. The surface can also be plowed for snow removal, supporting year-round use without damaging the trail.





This product is waterproof! To work with it was really unique, and once you get the material packed down it is ready to go. It is ready to ride on right away.

JOHN LAUER

Trails & Operations Manager
Kocourek Trailhead Foundation





RESPONSIBLE MATERIAL FOR SUSTAINABLE TRAILS.

Kafka's Wax-Coated Aggregate supports sustainable trail development through responsible sourcing, long-term durability, and material performance that minimizes environmental impact over time. Designed to work with the demands of real trail conditions, it reduces maintenance, limits material displacement, and avoids the environmental concerns associated with traditional paving and synthetic alternatives.

ABUNDANT NATURAL RESOURCE

Comprised primarily of crushed stone – an abundant, naturally occurring material with minimal processing.

DOMESTIC SOURCING

Produced in the United States under established frameworks for responsible and sustainable mining.

SOLAR REFLECTIVITY

Lighter natural tones can reduce surface temperatures compared to traditional paved surfaces.

EPA STANDARD FOR LEACHING

Third-party tested to EPA leaching standards, with no harmful materials released into soils or waterways.

ACCESSIBILITY & INCLUSIVITY

Provides a firm, stable surface tested against ADA surface criteria, supporting accessible trail design.

FASTER RETURN TO USE

Ready for use immediately after installation, minimizing site disruption and reducing project downtime.

NON-HAZARDOUS MATERIAL

Contains no VOCs and is not classified as hazardous under OSHA standards, supporting safe handling and use.

LIFECYCLE VALUE

Long-term performance reduces labor demands and material replacement, improving value over the life of the trail.

INSTALLATION WITHOUT COMPLICATION.

Kafka's Wax-Coated Aggregate is engineered to deliver high-performance results without introducing complexity in the field. Arriving pre-blended and ready to spread and compact, the material requires no mixing, activation, or specialized installation methods — allowing crews to work efficiently using familiar equipment and techniques.

Its workability allows for shaping, contouring, and placement across a range of conditions, from wide trail corridors to tighter, more detailed areas. The material compacts into a firm, stable surface while remaining workable during installation, helping crews fine-tune grades and achieve consistent results without added steps or guesswork.

Unlike systems that require strict setting or curing times, Wax-Coated Aggregate offers unlimited working time. Crews can place and adjust the material at their own pace, starting and stopping work as needed. Material can also be stockpiled for future use, eliminating waste and simplifying jobsite logistics. Once installed, the surface is ready for use immediately, with no curing or downtime required.

The surface requires minimal intervention and can be easily reworked and re-laid for repairs, rerouting, or design changes.





Trails are always fighting the forces of mother nature... from rain, wind, sun, temperatures, freeze/thaw... seeing how you can rough it up and repack it, it is a lot easier to maintain. This could be the silver bullet we are looking for in the trails industry.

MIKE REPYAK

Director of Development & Outdoor Recreation
Kocourek Trailhead Foundation





BUILT ON EXPERIENCE. BACKED BY EXPERTISE.

Kafka Granite's Wax-Coated Aggregate is built on decades of experience as a specialty crushed stone supplier and a pioneer in natural stone paving alternatives. Through extensive testing of aggregates, binders, and performance across a range of applications, the result is a material that delivers consistent, proven performance in the field.

EXPERTISE & AUTHORITY

With decades of experience in natural stone paving alternatives, Kafka provides park and trail professionals with the product knowledge needed for real-world applications.

PROPRIETARY PROCESS

Protected by U.S. Patents 10,675,525 and 11,420,104 covering both material composition and manufacturing process, ensuring a consistent and proven product.

CONTINUOUS RESEARCH

As the product is applied across new industries, applications, and user goals, ongoing testing and refinement ensure it continues to perform reliably in real-world conditions.

UNIQUE GEOLOGY

Based in Central Wisconsin, access to abundant and diverse stone formations in a wide range of natural color has shaped the foundation of our business.

HISTORY

Family-owned and operated since 1979, with a long-standing commitment to quality products, trusted relationships, and doing things the right way.

HOW DOES IT WORK?

HOW IT'S MADE:

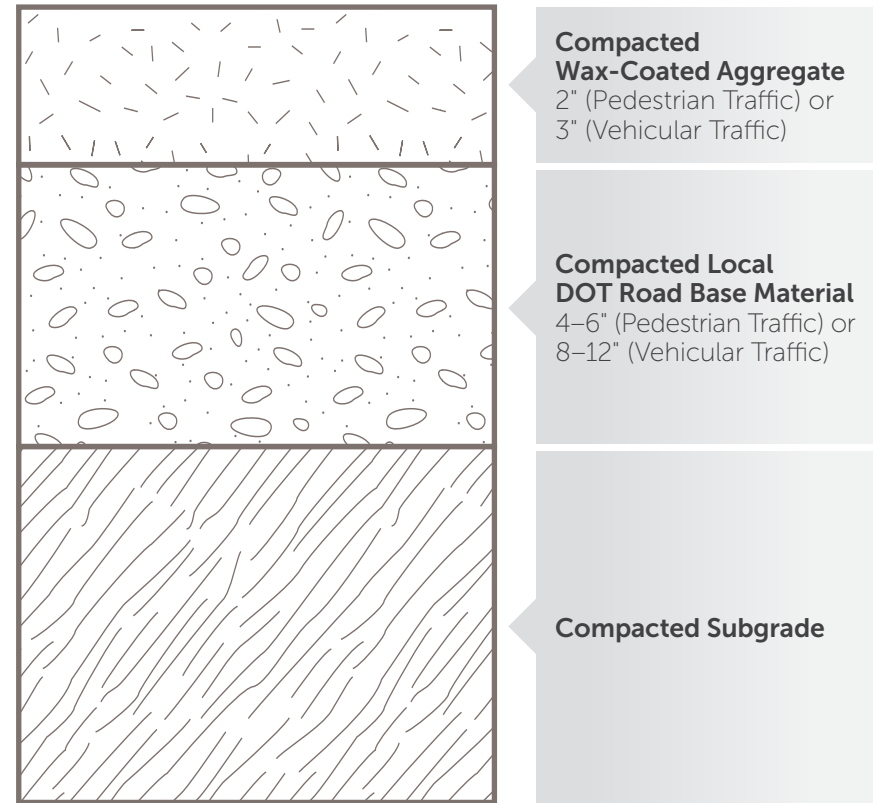
Kafka's proprietary method involves custom crushing natural stone to a specific gradation, then meticulously blending the crushed aggregate with a polymeric wax under high heat to completely coat each stone particle. The wax not only completely seals the aggregate, but also allows it to pack like clay. The wax-coated aggregate then goes through a cooling process before shipment.

HOW IT'S SHIPPED:

Kafka Wax-Coated Aggregate is most commonly shipped via bulk end dumps. Kafka assists in facilitating shipments throughout North America. For smaller shipments or areas with limited accessibility, 1½ ton bulk bags are available.

The product stores exceptionally well, with no additional measures needed. Since the materials have an unlimited working time and do not require activation, excess material can be stored indefinitely and be ready for whenever you may need it.

INSTALLATION CROSS-SECTION



HOW IT'S INSTALLED:

① PREPARE.

Excavate the area. Level, water, and compact the road base over the compacted subgrade.

② SPREAD.

No activation or water required! Simply spread the material to the appropriate thickness.

③ COMPACT.

Compaction methods may vary. Use the most effective/efficient method for the site conditions.

HOW DOES IT COMPARE?

	KAFKA WAX-COATED AGGREGATE	CRUSHED STONE	ASPHALT	CONCRETE
	Natural crushed stone coated with polymeric wax	Crushed stone, base course, or stone fines	2–4" of compacted asphalt pavement	4–5" of reinforced concrete pavement
Cost	\$\$	\$	\$\$\$	\$\$\$\$
Color Selection	5	VARIES BY REGION	LIMITED (Additional cost)	WIDE VARIETY (Additional cost)
Installation	EASY	EASY	MODERATE	DIFFICULT
Self-Installation	✓	✓	✗	✗
Natural Appearance	✓	✓	✗	✗
Erosion Resistance	✓	✗	✓	✓
Dust/Mud Resistance	✓	✗	✓	✓
Sustainability	HIGH	MODERATE	LOW	LOW
ADA Accessible	✓	✗	✓	✓
Durability	HIGH	LOW	HIGH	HIGH
Maintenance Required	SELDOM	OFTEN	EVERY 2-3 YEARS (Sealant and crack repair)	SELDOM (Sealant and crack repair)
Ease of Repairs	EASY	LABOR INTENSIVE	TECHNICAL	TECHNICAL



Natural Stone. Groundbreaking Solutions.

WANT A CLOSER LOOK? SCAN TO WATCH!

Discover how Kafka's Wax-Coated Aggregate performs in real-world trail conditions.

kafkagranite.com | 800 852-7415
550 E State Hwy 153, Mosinee, WI 54455

