JJ Innovative Materials
For a future of sustainable human habitats

jjinnovativematerials.org

JJIM GEOTILE

Stone-look tile, made from waste.

GeoTile is a natural-stone-look tile made with our own plant-and-rock bonding process. It's over 95% recycled material, made in the USA, and it installs like the tile you already use.



INSIDE

GeoTile: looks, tests & numbers P.2

For builders & contractors P.3

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USA
made here: no tariff or overseas freight risk

Installation
Same tools and mortar as ceramic or stone tile

95%+
recycled material in JJIM GeoTile

01. THE LOOK

Side by side with real stone tile.

The middle tile is commercial stone. The two on either side are GeoTile. Because GeoTile is made from rock and plant material, our tiles have natural texture and color, just like quarried stone.



02. HOW IT'S MADE

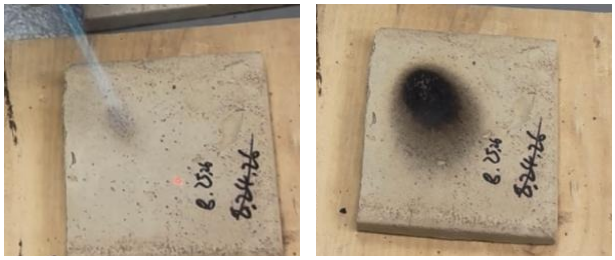
Our Technology

We leverage advanced material science to create plant-and-rock bonding process that joins material with rock into a solid, durable tile.

No change to your process

It is ready to cut and set with the same tools and mortar as ceramic or stone, and made in the USA.

03. PUT TO THE TEST



Fire: 30 seconds of direct flame at 2,500°F

No visible smoke | No cracks | No spalling

Spalling means the surface chipping or flaking off under heat.

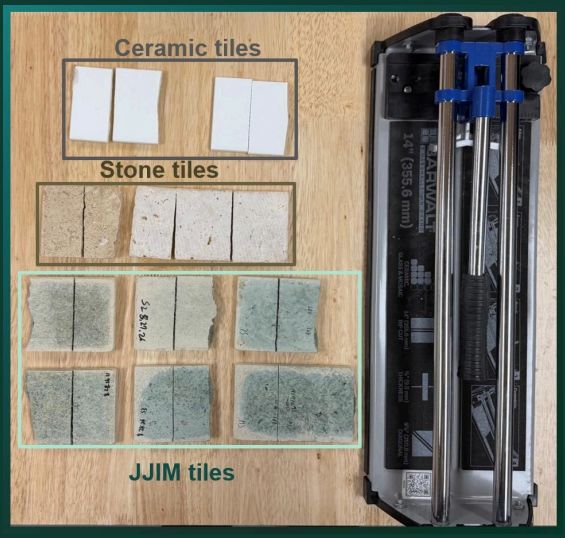


Water: 3 days fully under water

Mold resistant | pH stable for months

A stable pH (acidity level) is a sign the material stays chemically steady over time.

For Builders



01 **No new tools. No retraining.**
Cuts on a standard commercial tile cutter and sets in standard mortar, just like ceramic or stone.

02 **Supply you can plan around.**
Made in the USA. No tariffs, no overseas shipping delays. Now serving the Mid-Atlantic.

03 **Tested tough.**
No cracks or smoke under a 2,500°F flame; mold resistant after 3 days under water (see p.2).

03 **Environment friendly**
95%+ recycled content and 80–90% lower carbon emissions.

SPEC SHEET

Product	JJIM GeoTile, stone-look bio-composite tile
Material	Plant-and-rock bio-composite, 95%+ recycled content
Sizes & thickness	[ADD SIZES / THICKNESS]
Installation	Standard commercial tile cutter & standard mortar
Price	[ADD PRICE PER SQ FT]
Availability	Made in USA

Coming soon from JJIM

SAME PLANT-ROCK SCIENCE

Sustainable drywall
Bio-based wall board made from plant sources and recycled binders, with a low carbon footprint.

Bio-based insulation
Recycled, non-toxic insulation designed to resist fire and mold and keep indoor air healthier.

Want early access? Ask to join our product update list.

For Homeowners

Redoing a kitchen, bathroom or entryway? GeoTile gives you the warm, one-of-a-kind look of stone, made from recycled farm and industrial leftovers right here in the USA.



Why homeowners choose GeoTile

- **Durability**
  Resisted mold after 3 days fully under water, and didn't crack under a 2,500°F flame.
- **Earthy look and feel**
  Our tiles have a natural color and texture, just like real stone.
- **Easy for your installer**
  No special tools needed. Any tile installer can cut and set it.
- **Great for the environment**
  Over 95% recycled material and 80–90% lower carbon emissions than conventional tile.

IDEAS FOR YOUR HOME

Kitchen backsplash | Bathroom walls | Feature wall | Entryway

Getting GeoTile into your home is simple

1

Order a free sample kit and see it in your space (p.5).

2

Show it to your contractor or tile installer.

3

Share our contact. They can get a quote straight from us.

WHO'S BEHIND GEOTILE

JJ Innovative Materials is a Baltimore company led by Johns Hopkins–trained materials scientists and engineers, working toward a future of affordable and sustainable homes.

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Let's talk tile.

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[ADD QR CODE linking to sample request]

Scan to request your free sample kit.