



SPECIFICATIONS

GaiaCrete

1. Definition of Material:

GaiaCrete is a non-toxic, 100% bio based/ renewable, carbon negative solid-state product. GaiaCrete can be produced on site or manufactured offsite. GaiaCrete is produced with the inner core of industrial hemp/ kenaf plant, hot lime, misc. pozzolans and water. The material is mixed, molded, and compressed. It cures in the open air or humidity-controlled environment. GaiaCrete can be molded or shaped into an unlimited number of ways.

2. Applications:

Interior insulation, renovation projects, and new build construction. GaiaCrete is fast and easy to install. GaiaCrete can be used to provide room partitions, replacement of unhealthy insulation and drywall/ plaster and or create new spaces in open areas like basements, warehouses, barns garages and more. They can also be used to cover existing drywall/ plaster interior walls.

3. Physical Characteristics:

Density: TBD

Thermal Conductivity: TDB

Resistance to Compression: TBD

Fire Rating: TBD

Bio Based- 100%

4. Product Characteristics:

GaiaCrete has a porous appearance and construction. The color of GaiaCrete varies from light tan to grey in nature. Has a smooth to rough surface. GaiaCrete is lightweight. Can also float in water.



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5. Accreditations:

GaiaCrete has been Bio Base Tested by Beta Analytics of Miami Florida for a 99.96% Bio Based Content. This Test was done in accordance with the USDA Bio Preferred Program. GaiaCrete is awaiting USDA Bio Preferred certification (11/22).

6. Carbon Footprint:

The hemp plant stores carbon during its growth and this, combined with the low carbon footprint of lime and its very efficient insulating properties, gives the material a 'better than zero carbon' footprint.

7. Application:

The installation of GaiaCrete is to be done in accordance to the manufacturers instructions. These instructions vary from project to project however the following are basic guidelines for installation.

A. Cast in Place

GaiaCrete once mixed can be installed with wall shuttering. The wall cavities must be open and free of other materials. The wall cavities are then infilled with the mix and tamped down firmly. This tamping may be done by physical or mechanical means. The wall shuttering can be removed with minutes to hours and used up the course of the wall in small sections.

B. Blocks

Blocks should be installed according to the Manufacturer's instructions.

C. Bricks

Bricks should be installed according to the Manufacturer's instructions.

D. Other

GaiaCrete can be formed into door/ window casings, base trim, crown molding and more. The opportunities are limitless.



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8. Finishing:

GaiaCrete can be finished in several eco-friendly breathable materials. These materials should be used in accordance with the manufacturer's instructions.