

GRAYBOND™

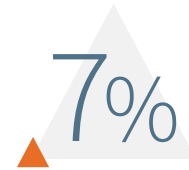
A GRAYMONT™ PRODUCT

An alternative cementitious binder to enhance performance, reduce costs and improve your carbon footprint



A NEW, PATENTED* LOW-CARBON ALTERNATIVE BINDER

GRAYBOND™ is an engineered and customizable calcium lime-based binder produced by Graymont, one of the world's largest lime suppliers.



Cement production creates about 7% of global CO₂ emissions



Adding the right low-carbon alternative binder can reduce the carbon footprint of cement by up to 50%

FOR A MORE SUSTAINABLE CEMENT INDUSTRY

Alternative binders are valuable to the long-term sustainability of the cement industry. By replacing at least 20% of cement with GRAYBOND™, it's possible to lower the GHG emissions associated with binder use without impacting performance.



LESS CEMENT, LESS BINDER, LESS GHG

With the right binder, you can even reduce overall binder consumption by optimizing the chemical composition based on project-specific needs.

WHY ARE GRAYBOND™ BINDERS MORE ENVIRONMENTALLY CONSCIOUS?

GRAYBOND™ binders are formulated from raw materials with a naturally lower GHG footprint. In addition, the manufacturing process for GRAYBOND™ binders utilizes low carbon methods to minimize GHG emissions.



The high GHG footprint from cement presents a significant challenge for industries who have set aggressive GHG reduction targets

▶ WHY GRAYBOND™?



Customizable calcium lime-based high performance binder



Replaces up to 100%** of cement with sustainably sourced raw materials



Cost competitive with cement



Lower carbon footprint compared to cement and traditional binders



Familiar chemical makeup supports existing engineering plans



Reduces risk and enhances flexibility in the supply chain

Key Applications

✔ MINE TAILINGS BACKFILL

Enable increased resource recovery while providing a resilient tailings storage solution for underground mining.

70%

Cement can be responsible for up to 70% of the total GHG footprint of mine backfilling processes.

✔ SOIL STABILIZATION

Create a strong base for construction projects by enhancing the strength and stability of soils.

✔ GENERAL CONSTRUCTION AND CUSTOM APPLICATIONS

Work with our experts to customize GRAYBOND™ binders for use in your low carbon concrete mix designs and construction projects.

HOW CAN GRAYBOND™ BINDERS STRENGTHEN THE SUSTAINABILITY OF YOUR PROJECT?

Contact us to learn how our high-performance, low-carbon alternative cement binder solutions can enhance your next mining or construction project.

Email: GRAYBOND@graymont.com

www.graybond.com

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**Market application dependent.