Manufacturing for a Sustainable Tomorrow.™

Transforming conventional building materials into sustainable alternatives to preserve our planet for future generations.
Pozzotive® is an environmentally friendly postconsumer Supplementary Cementitious Material/Pozzolan that replaces a percentage of Portland cement in concrete.
This was a typical KBMS project using sustainable high strength concrete. We saved 37 tons of carbon emissions on that project alone.
Pozzotive® is made entirely from postconsumer recycled glass that is harvested regionally.

Diverted from landfill, bottle redemption, municipal recovery centers, curbside pickup; All glass shapes and colors can be turned into Pozzotive®.
SUSTAINABLE HIGH PERFORMANCE CONCRETE (SHPC)

Pozzotive® Postconsumer SCM/Pozzolan enhances performance of concrete products and utilizes recycled content.
Hegeman Residence

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SCM/POZZOLAN

A pozzolan is a siliceous or siliceous and aluminous material that possesses little or no cementitious value in itself, but in finely divided form and in the presence of water it will react chemically with calcium hydroxide at ordinary temperature to form compounds possessing cementitious properties.
Pozzolan Demand

Responding to President Obama’s Climate Action Plan, the USEPA has imposed regulations that, as proposed, would significantly reduce the amount of carbon emissions coal-fired electric plants could emit into the atmosphere.

According to the EIA, 1/3 of coal-fired capacity will either convert to natural gas or shutdown by 2020 in order to cut carbon emissions, protect our health, and preserve the environment for future generations.

Fly ash, a pozzolan commonly used as a cement replacement, is a byproduct of coal combustion.

The proposed changes to coal-fired plants would create a diminishing supply of fly ash, and an increased demand for alternative SCM/Pozzolans.
The Green Advantage

Pozzotive® answers the call as a superior, sustainable SCM/Pozzolan, and is made from recycled glass, which is available in abundance.

Because the chemical composition of glass is always the same, Pozzotive’s particle size is consistent.

Fly ash’s particle size is inherently variable due to the many sources of coal, requiring more cement, and air entraining admixtures to compensate.

Fly ash’s carbon content prevents it from being used during cold weather months, and it can’t be used in pre-cast or pre-stressed concrete.

Pozzotive® can be used during cold weather, and in pre-cast and pre-stressed concrete.
To make concrete products that return to the same region from which the recyclable was originally derived.
Cement is the most polluting product on the planet. The cement industry generates 5% of the world’s manmade carbon dioxide emissions.
Pozzotive® can replace up to 35% of cement.
1 pound of cement generates 1 pound of CO2 gas emissions.

According to USEPA*
A 30% Pozzotive® replacement in a single 8 inch CMU eliminates 1.5 lbs of carbon dioxide emissions per block.
8.4 million tons of glass are brought to landfills each year.
Pozzotive® creates an opportunity to transform waste into a valuable resource to manufacture Sustainable High Performance Concrete products.
75 pounds of waste glass are generated per person annually.

With the opportunity to tap into all existing landfill glass, as well as glass generated every year, the feedstock for Pozzotive® is available in abundance.
LEED

Pozzotive® products contribute to LEED budgets for:
Materials & Resources Credit 4, Recycled Content
Materials & Resources Credit 5, Regional Content
Pozzotive® Advantage

- Fights climate change.
- Curbs greenhouse gas emissions.
- Diverts glass from landfill.
- Supports local economy.
- Achieves green initiatives.
- Contributes to LEED budgets.
- Contains no harmful heavy metals.
- Energy Efficient.
- Reduces need for virgin mined materials.
- Performs credibly & responsibly.
Pozzotive® meets or exceeds all ASTM C-618 testing.
Pozzotive® Use
Green NYC
QUESTIONS?