Manufacturing for a Sustainable Tomorrow™

Transforming conventional building materials into sustainable alternatives to preserve our planet for future generations.
Innovative. Sustainable. Responsible.

Pozzotive® is an environmentally friendly postconsumer Supplementary Cementitious Material/Pozzolan that replaces up to 40% of Portland cement in concrete.
Pozzotive® is made from postconsumer recycled glass that is regionally recovered.

All glass shapes and colors can be processed into Pozzotive®. Glass is diverted from landfills, and harvested from bottle redemption, municipal recovery centers, and curbside pickup.
Sustainable High Performance Concrete (SHPC)

Pozzotive® postconsumer SCM/Pozzolan enhances performance of concrete.
Hegeman Residence
This was a typical KBMS project using sustainable high strength concrete. We saved 37 tons of carbon emissions on that project alone.
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 7-8% of the world’s manmade carbon dioxide emissions.
Pozzotive® can replace up to 40% of cement.
1 pound of cement generates 1 pound of CO2 gas emissions.

According to USEPA*
A 40% replacement (with 2-lbs of Pozzotive®) of the 5-lbs needed for an 8x8x16 concrete block will save 2-lbs of cement being used to produce the CMU, that will yield 2-lbs of CO2 per CMU.
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 SHPC 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.
Pozzotive® products contribute to LEED budgets for:

Materials & Resource Credit 4, Recycled Content

Materials & Resource Credit 5, Regional Content
Pozzotive® Advantage

• Fights climate change
• Curbs greenhouse gas emissions
• Diverts glass from landfills
• Supports local economy
• Contributes to LEED budgets
• Contains no harmful heavy metals
• Reduces need for virgin mined materials
• Performs credibly & responsibly
Pozzotive® meets or exceeds all ASTM C-618 testing.
Pozzotive® Use
Specified By

PERKINS+WILL

GRIMSHAW

AECOM

HAZEN AND SAWYER
Environmental Engineers & Scientists

Dattner Architects

KINGSTON
BLOCK & MASONRY SUPPLY, LLC
Green NYC

Yankee Stadium

UN Headquarters

Construction Site
Questions?