



Pozzotive® Ground Glass Pozzolan is made from 100% recycled glass. It is a safer, more sustainable, and higher-performing material that dramatically reduces embodied CO<sub>2</sub> emissions in concrete.



**Pozzotive® Ground Glass Pozzolan (GGP)** can replace up to 50% of the cement used in the production of concrete, effectively reducing harmful embodied CO<sub>2</sub> in concrete on a nearly ton-for-ton basis. Pozzotive® produces superior performing concrete that has been successfully used in ready-mix pours for high-rise construction, roads and sidewalks as well as in concrete block, pre-stressed concrete slabs and permeable pavers.



The first high-rise poured-in-place concrete tower to use a ground glass pozzolon



Over 10 million architectural and structural concrete masonry units (CMUs)



More than 500,000 SF of pre-stressed concrete planks

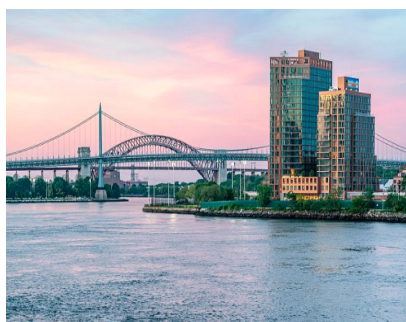


Nearly 750,000 SF of pavers

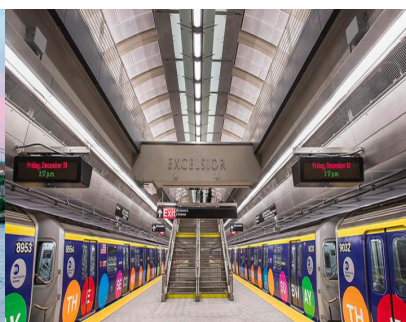


Two NYC blocks of sidewalk pours

Pozzotive® is in projects such as:



Halletts Point Highrise  
(poured-in-place)



New York City 2nd Ave Subway  
(block)



United Nations Plaza  
(pavers)



City Point  
(pre-stressed plank & block)

## Revolutionary Product Benefits



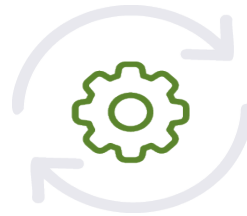
### CO<sub>2</sub> Reduction

Pozzotive® pozzolan can replace up to 50% of cement in concrete, reducing embodied CO<sub>2</sub> emissions on a nearly ton-for-ton basis.



### Improved Concrete

Pozzotive® produces a more durable and higher-performing concrete that significantly improves its resistance to chloride, sulfate, efflorescence and freeze thaw cycles.



### Circular Economy

Pozzotive® is produced from 100% post-consumer glass, harvested and processed regionally, and used in local, sustainable projects, creating an optimal circular economy.



### Safer Material

Pozzotive® is free of crystalline silica, a carcinogen, and toxic heavy metals, making it a safer and more environmentally friendly replacement for use as a concrete admixture.

## Revolutionary Industry Solutions

Pozzotive® provides ground-breaking solutions to challenges in three major intersecting industries: Recycling (unwanted glass), Concrete (cement CO<sub>2</sub> emissions), and Pozzolan (shortages).



### Glass Recycling Industry

Glass is choking the recycling streams across the US. Of the 12 MM tons of bottle glass generated in the US, only about 3 million tons are repurposed due to size, color and cleanliness restrictions of glass bottle and fiberglass producers. Much of the remaining 9 MM tons of glass—more than 100 million bottles each day—is trucked long distances to increasingly overburdened and expensive landfills. Pozzotive®'s patented process utilizes 100% of recycled glass, regardless of color, size or presence of ceramics.

### Concrete Industry

Concrete's is the most widely-used construction material worldwide. Critical to the production of concrete is portland cement which releases one ton of CO<sub>2</sub> for every ton produced. About 100 million tons of cement are produced each year for use in concrete just in the US, making portland cement account for 7% of all carbon emissions annually worldwide. Pozzotive® Ground Glass Pozzolan can replace up to 50% of cement in concrete, reducing CO<sub>2</sub> on a ton-for-ton basis.



### Pozzolan Industry

Environmental regulations placed on coal-fired plants have caused plant shutdowns and conversions to natural gas, thereby reducing the supply of fly ash, the most commonly used pozzolan in concrete. Furthermore, chemicals added to control pollutants in coal burning exhaust air are diminishing ash quality. Pozzotive® is a 100% clean, consistent and readily available replacement for pozzolans, and yields a longer-lasting, higher-performing concrete.



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