



Pozzotive®

Functional Industrial Filler

Pozzotive is a high performance functional industrial filler that is manufactured from 100% recycled postconsumer bottle glass. Using patented technology, all organics are removed, and the glass is reduced to a white powder like substance. The glass that feeds this process is recovered from any type of postconsumer source including bottle redemption and curbside pickup.

Pozzotive is classified chemically as an amorphous silicate. Pozzotive for use as filler comes in two standard particle sizes; Pozzotive 10 and Pozzotive 4, which have median particle sizes of 10 and 4 micron, respectively. Since Pozzotive is produced using an elite dynamic air classifier, the particle size distribution is consistent with a sharp top cut. Custom particles size distributions are available upon request.

Pozzotive is not only a drop-in replacement for many virgin mined minerals; it imparts performance-enhancing properties due to its unique chemical and physical characteristics. Pozzotive’s attributes include (1) consistent chemical composition and color (2) lack of contaminants (3) nontoxic; i.e., contains no harmful crystalline silica or heavy metals (4) very low oil and water absorption and (5) stain/scrub resistance when used in coatings. Products that Pozzotive can benefit include paints, coating systems, adhesives, polymers, elastomers, etc.

Chemical Composition	
Silica (SiO ₂)	66-70%
Sodium Oxide (Na ₂ O)	11-12%
Calcium Oxide (CaO)	10-12%
Alumina (Al ₂ O ₃)	5-8%
Magnesium Oxide (MgO)	1%
Potassium Oxide (K ₂ O)	<1%
Iron Oxide (Fe ₂ O ₃)	<1%
All other oxides combined	<1%

Physical Properties of Pozzotive		
Property	Pozzotive 4	Pozzotive 10
Median Particle Size (micron)	4	10
Bry Brightness (Hunter L)	90 - 93	89 - 91
Water Demand (ml/100g)	46	21.6
Moisture (%)	0.1	0.1
Loose Bulk Density (lbs/ft ³)	33.3	49.9
Compacted Bulk Density (lbs/ft ³)	41.2	58.5
PH Level	10.4	10.4
Moh Hardness	5.5	5.5
Specific Gravity (g/cc)	2.46	2.46
Loss on Ignition (%)	0.7	0.7

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Pozzotive Supplementary Cementitious Material
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