

Ground Glass Pozzolan



powered by **Opta Minerals**  
An OPTA Group Company

**Re-Act 4™** is a fine, white colored, amorphous, glass powder made from 100% recycled glass with excellent pozzolanic properties and a similar water demand to ordinary portland cement. Through a patented recycled glass sorting and cleaning process along with our state-of-the-art manufacturing, we have created an environmentally safe and sustainable secondary cementitious material suitable for many applications as listed below. This product conforms with ASTM C1866/ CSA A3000-21.

Applications: Ready Mix Concrete (architectural, design and white cement); Pre-cast; HPC & UHPC; Piles and structural, desirable in decorative concrete requiring white siliceous materials.

Packing: Bulk super-sack, 50 lb. bags; other packaging options are available on request.

Storage: Dry storage. Avoid contact with moisture. Maintain seal.

Safety: **Re-Act 4™** is amorphous. Material Safety Data Sheet available upon request.

Environmental: Lower your Global Warming Potential (1 ton cement replaced = 1 ton CO<sub>2</sub> removed.) Complies with ISO 14001:2004, OHSAS 18001:2007, and R2:2013. EPD forthcoming.



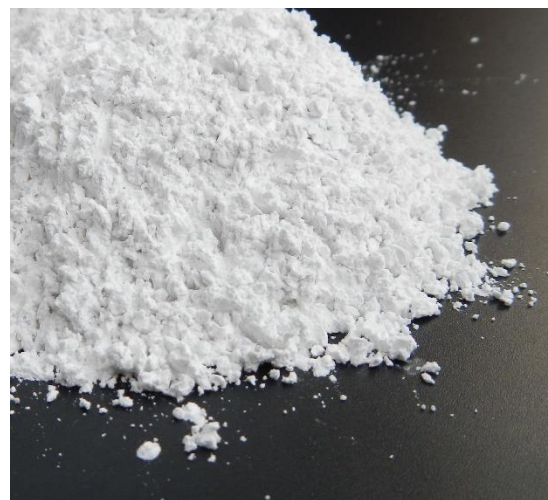
Typical Characteristics<sup>1</sup>

Analysis	Typical	Min	Max
SiO <sub>2</sub> (%)	70.0	68.0	80
Fe <sub>2</sub> O <sub>3</sub> (%)	0.5	0.1	1.0
Al <sub>2</sub> O <sub>3</sub> (%)	1.0	0.3	5.0
CaO (%)	10.0	2.0	15.0
NaEq (%)	13.0	7	15.0
>45μ(%)	0.0	0.0	0.0
LOI	0.2	0	0.5
Pozzolanic Activity (%) 28d	107	100	125
Water Demand (%)	99	97	102
Brightness (L*)	94	90	97

<sup>1</sup>These values describe a mean range and do not represent a specification.

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