

Ground Glass Pozzolan
Slag Replacement



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

Re-Act 4TM_{SR} is a fine, white colored, amorphous, glass powder made from 100% recycled glass with excellent pozzolanic properties designed specifically to replace slag with 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 supplementary cementitious material suitable for many applications as listed below. This product conforms with ASTM C1866/ CSA A3000-21.

Applications: Ready Mix Concrete (a GGBFS/Slag, Fly-Ash, white Si Fume replacement); Pre-cast; HPC & UHPC.

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 4TM_{SR}** is amorphous. Material Safety Data Sheet available upon request.

Environmental: Lower your Global Warming Potential (1 ton Portland cement replaced = 1 ton CO₂ removed.) Complies with ISO 14001:2004, OHSAS 18001:2007, and R2:2013. EPD forthcoming.



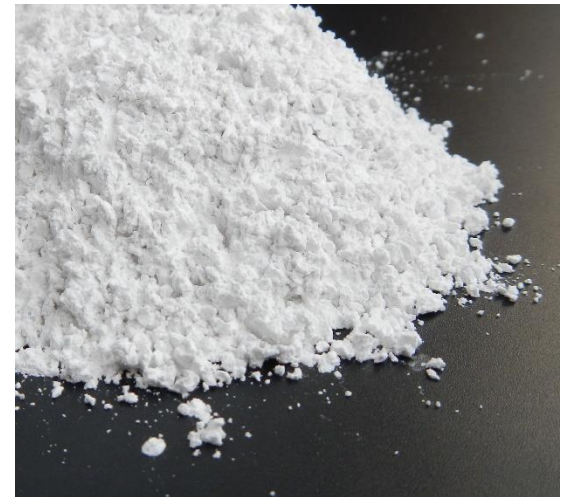
Typical Characteristics¹

Analysis	Typical	Min	Max
SiO ₂ (%)	70.0	68.0	80
Fe ₂ O ₃ (%)	0.5	0.1	1.0
Al ₂ O ₃ (%)	1.0	0.3	5.0
CaO (%)	10.0	2.0	15.0
NaEq (%)	13.0	7	15.0
>45μ(%)	0.0	0.0	2.0
LOI	0.2	0	0.5
Pozzolanic Activity (%) 7d	90	85	100
Pozzolanic Activity (%) 28d	105	98	115
Water Demand (%)	99	97	102
Brightness	92	90	95

¹These values describe a mean range and do not represent a specification.

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