

Ground Glass Pozzolan



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 proprietary 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 construction applications as listed below. This product conforms with ASTM C1866/ CSA A3000-21.

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

Packing: Bulk super-sack, bulk tanker; 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 CO₂ removed)

Complies with ISO 14001:2004, OHSAS 18001:2007, and R2:2013. EPD available.

Typical values¹

Analysis	Typical	Min	Max	Property	Typical	Min/Max
SiO ₂ (%)	70	65	80	Pozzolan Activity (%) 28d	107	95/115
Fe ₂ O ₃ (%)	0.5	0.1	1.0	Water demand (%)	99	97/102
Al ₂ O ₃ (%)	1.0	0.3	5.0	Brightness (L*)	94	90/97
CaO (%)	10.0	2.0	15.0	>45μ(%)	0	0/0
NaEq (%)	13.0	7	14.9	LOI	0.2	0/0.5

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