

RE-ACT 4™



GROUND GLASS POZZOLAN

Re-Act 4 is a fine, off white, amorphous glass powder made from 100% recycled glass. Its excellent pozzolanic properties coupled with water demand similar to ordinary Portland cement, make it a high-performing supplementary cementitious material for a wide range of concrete applications. Produced using a patented recycled-glass sorting and cleaning process, Re-Act 4 offers a sustainable alternative that complies with ASTM C1866 and CSA A3000-21.

APPLICATIONS:

- Ready-Mix Concrete
- Architectural and Decorative Concrete
- White cement mixes
- Precast products
- High-Performance Concrete (HPC)
- Ultra-High-Performance Concrete (UHPC)
- Piles and structural applications

ADVANTAGES:

- 20:1 reduction in CO2 versus cement.
- Improves concrete strength and durability.
- Provides greater corrosion and alkali-silica resistance.
- Available in bulk and super sacks.

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	0.0
LOI	0.2	0	0.5
Pozzolanic Activity (%) 28d	107	100	125
Water Demand (%)	99	97	102
Brightness (L*)	94	90	97

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

Partner with our technical team and leverage our deep industry expertise, cutting-edge technology and advanced technical services. We can tailor a solution to meet your specific process and quality requirements.

RE-DEFINING RECYCLED GLASS

SCAN
HERE

