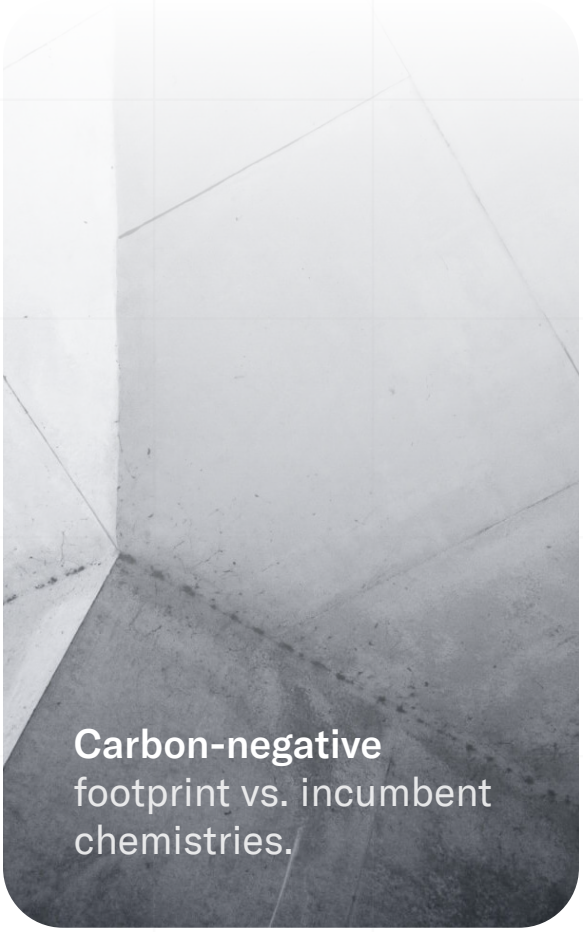
Relox™ Series
Bio-Based Concrete Admixtures

Locally and sustainably produced. Cost effective. Field proven.

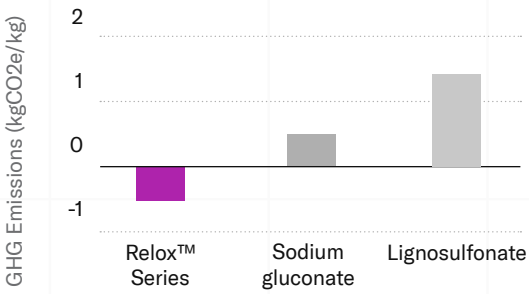
The Relox™ series are organic acid-, bio-based concrete admixtures that enable high performance and cost efficiency while providing a low carbon footprint to concrete admixture producers. This series can be used to control the setting time of concrete and as a complement to or replacement for traditional water reducing agents, such as lignosulfonates.

Product Attributes

- Provides superior performance vs. incumbent chemistries like lignosulfonates
- High, consistent quality
- Improves workability and strength with a decreased use of cement and water in concrete
- Non-toxic & biodegradable
- Enables lower overall chemical usage, treatment costs, and GHG emissions
- Locally produced in USA using Solugen's novel, low-carbon to carbon-negative chemienzymatic process



Cradle-to-Gate Life Cycle GHG Emissions for Water Reducers in Concrete Production



Cradle-to-Gate GHG emissions per kilogram of product produced. Study performed by Life Cycle Associates.

A third-party life cycle analysis (LCA) study revealed that the Relox™ series lowers greenhouse gas (GHG) emissions, providing a carbon-negative footprint relative to other commonly used water-reducing chemistries in concrete production.

Please contact us at concrete@solugen.com for more information regarding our products and services.

Relox™ Series
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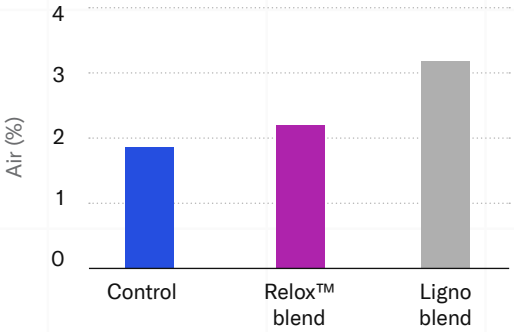
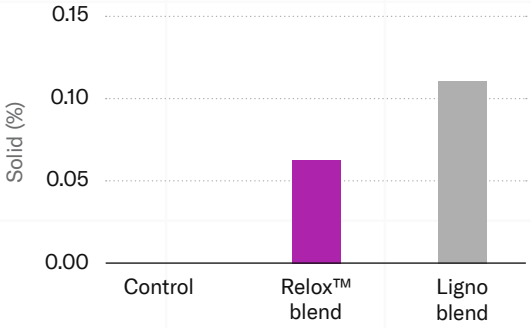
Outperforms lignosulfonate-based water reducers.

Air Entrainment (ASTM C231)

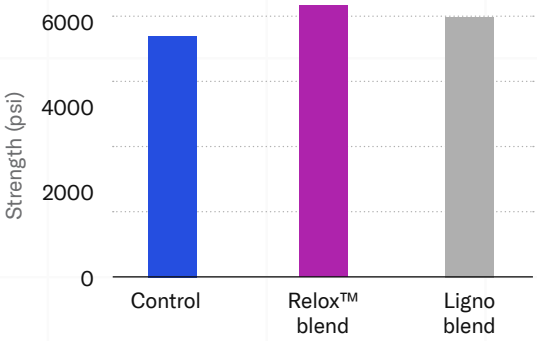


% Solid content in Slurry

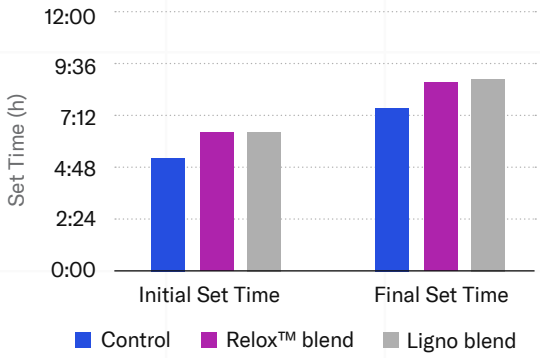


At same water reduction (6%), the Relox™ series requires less active product and leads to lower porosity.

Compressive strength (ASTM C39)



Set time (ASTM C403)



The Relox™ series provides higher compressive strength and similar set time.

About Solugen

Solugen is a bio-based specialty chemicals manufacturer and supplier whose mission is to decarbonize the chemicals industry by revolutionizing the way chemicals are made for use across a variety of markets and applications.

Please contact us at concrete@solugen.com for more information regarding our products and services.