



Curbing CO₂ at the source

UNIQUE ADDITIVES PORTFOLIO,
DISTINCTIVE KNOW-HOW AND SERVICES
FOR THE CEMENT INDUSTRY



NEXT-GENERATION ACTIVATORS

EnviroAdd®

Next-generation activators are innovative solutions which can be customized to meet the individual needs of cement producers, providing clinker and CO₂ emission reduction over and beyond that achieved by traditional activators.

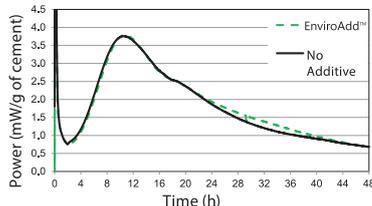
We bring together advanced chemistry, technical expertise and innovative technologies to help our customers achieve greater sustainability, strength, and cost savings.

SUPERIOR PERFORMANCE IN A VARIETY OF SCM

Mechanistic studies demonstrate activation in various supplementary cementitious materials, resulting in strength and setting time enhancements that surpass those achieved by traditional quality improvers.

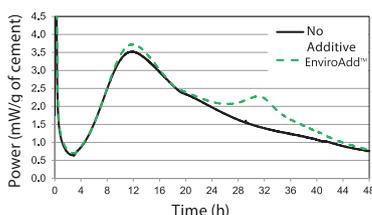
OPC

+16% @ 1 Day



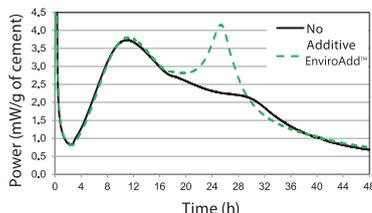
Fly Ash

+20% @ 1 Day



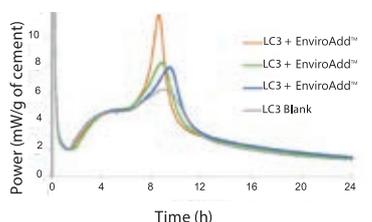
Fly Ash + Limestone

+37% @ 1 Day



Calcined Clay

+38% @ 1 Day



Sustainability



Strength



Savings

- Maximize clinker reduction
- Promote use of alternative fuels
- Introduce novel supplementary cementitious materials (SCM); E.g. calcined clay or LC3
- Reduce CO₂ emissions by up to 11%

chryso
SAINT-GOBAIN

EnviroAdd

SUSTAINABLE SOLUTIONS FOR THE CEMENT INDUSTRY
Innovative, tailor-made additives enabling CO₂ reduction up to 11%.*
*compared to traditional additives.

Let's make your carbon footprint lighter

SAINT-GOBAIN

PERFORMANCE ACTIVATORS

Opteva®

Improve the performance of finished cement while reducing clinker content & costs.

These solutions provide improvements to cement compressive strengths at early and/ or late ages.

Subsequently, they enable a higher content of supplementary cementitious materials without compromising cement performance and characteristics.



Strength



Quality



Savings

- Enable clinker reduction, use of alternative fuels, reduce costs
- Enhance cement performance & quality
- Increase strength, accelerate setting time, reduce water demand

GRINDING AIDS

Tavero®

Increase mill output at no additional cost while saving energy and curbing CO₂ emissions.

Improved cement flowability reduces the effort for handling and transporting cement.

Daragrind®

Specially formulated additive for grinding applications in industrial minerals like cement raw meal, coal, pure calcium carbonate, limestone, silica, and quicklime.

Key benefits include reduced re-agglomeration and lower pack set tendencies, making storage, transport, and bagging operations smoother.



Process Optimisation



Energy Savings



Savings

- Increased production capacity
- Reduced energy consumption
- Reduced distribution costs

SPECIALTY ADDITIVES

Improve the quality of cement while complying with standards such as EN and ASTM.

These product ranges are aimed at optimizing the specific functionalities of cement.

Synchro®

Ultimate solution to reduce soluble chromium (VI) ions in cement, ensuring environmental compliance and safety, while maintaining superior cement performance.

Tytron®

Engineered for precise air content control and optimized water retention in mortar applications.



EHS Compliance



Quality

- Enhance cement quality
- Mitigate the presence of hexavalent chromium in cement
- Improve the safety and environmental performance of cement

EXPERT FIELD AND LABORATORY SERVICES



DISCOVERY AND DEFINITION OF UNMET NEEDS

in cement production, and opportunities for higher quality and/or additional savings.



TECHNICAL SEMINARS AND WORKSHOPS

for cement additives and grinding system optimization at global and local levels.



HANDS-ON ASSISTANCE

for field trials, mill commissioning, product use and dosage.



MILL AUDITS

Large and independent experience with over 400 mill audits completed across different regions and groups.



CONTINUOUS PRODUCT IMPROVEMENT

Assessment/benchmarking; optimization/customization; application.



LABORATORY SUPPORT

Overcome technical issues; explore new applications; customized solutions and new lab methods.



PROBLEM SOLVING

Process and quality optimization.



COST/VALUE ASSESSMENT

Models for operational savings and validations.



DIGITAL TOOLS

Immediate product selection by data-driven algorithms and analysis.

SAINT-GOBAIN GROUP



One of the top 100 **global innovators** over the last 10 years



Commitment: **carbon neutrality in 2050**



World or European leader in most of our businesses

Over **160,000**



employees representing more than 110 nationalities

Located in **76** countries



Sales in 2023 **47.9BN**



Around **900**



manufacturing facilities worldwide

CONSTRUCTION CHEMICALS BUSINESS UNIT

ORGANIZED BY REGIONS & MARKETS



Cement Additives
World leader



Concrete Admixtures
Number 2 market player



Specialty Building Materials
Established brands



Over **3,000** employees



41 countries with local setups



87 plants



CURBING CO₂ AT THE SOURCE



SCAN THE QR CODE TO
DISCOVER OUR SOLUTIONS FOR
SUSTAINABLE CONSTRUCTION

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