

CHRYSO
CEMENT
SOLUTIONS

ACTIVATION

CHRYSO[®] AMA 100 EL TECHNOLOGY
LIGHTEN YOUR CLINKER FACTOR

CHRYSO

INNOVATION IS OUR CHEMISTRY

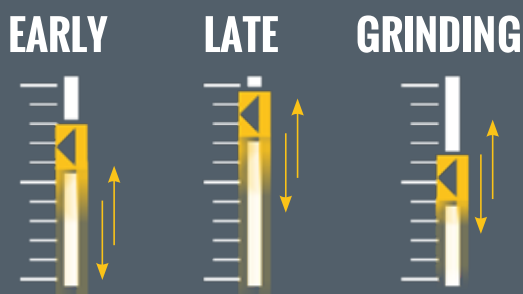
A POWERFUL EARLY & LATE ACTIVATION TECHNOLOGY FOR HIGHER CLINKER FACTOR REDUCTION

CHRYSO®AMA 100 EL Technology is a robust and powerful activation solution that provides high levels of mechanical strength in blended cements. It allows cement manufacturers to maintain cement performance while increasing Supplementary Cementitious Materials content.

CHRYSO®AMA 100 EL Technology performance can be adjusted to:

- maximize the contribution of each mineral addition
- while balancing their negative side effects on cement performance.

CHRYSO PROVIDES YOU WITH TAILOR-MADE SOLUTIONS DESIGNED FOR YOUR OWN TECHNICAL AND PRODUCTION REQUIREMENTS



CHLORIDE FREE TECHNOLOGY
Compliant with low-chloride content cement standards.



LOW-DOSAGE RANGE SOLUTION
(from 350 to 600 g/T of cement).

CO₂ EMISSION REDUCTION

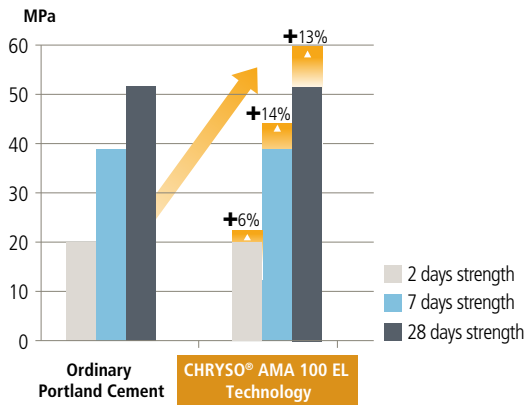
CHRYSO supports cement manufacturers in their commitment to reducing CO₂ emissions by providing new activation solutions to increase the clinker factor reduction limits in cements. CHRYSO®AMA 100 EL Technology reduces CO₂ emissions with no compromise on cement performance.



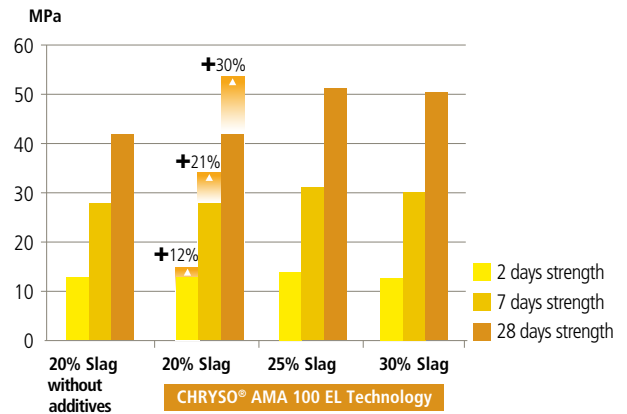
A ROBUST TECHNOLOGY FOR BLENDED CEMENTS

1 ENHANCED PERFORMANCE

Improved compressive strengths of cements with same composition and fineness.

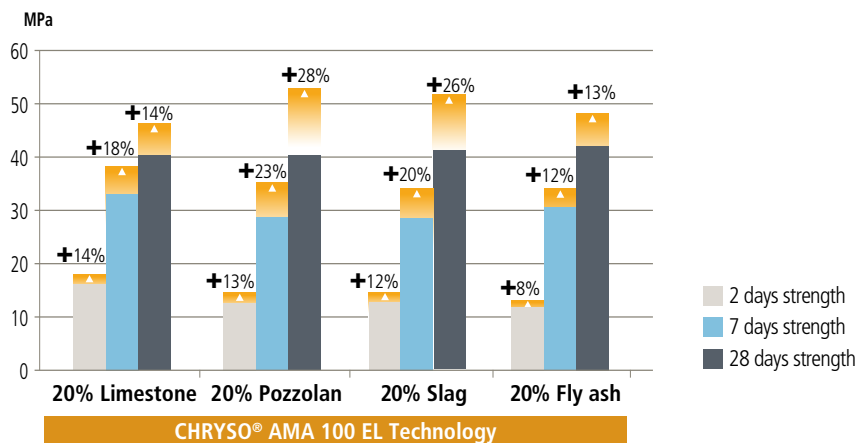


Maximized substitution of cementitious material content to reduce clinker factor, while maintaining compressive strengths.



2 EXTENSION OF MINERAL ADDITION

Use of all types of cementitious materials improving both early age & 28 days compressive strengths with CHRYSO®AMA 100 EL Technology.



3 EMPOWER GRINDING PROPERTIES

CHRYSO®AMA 100 EL Technology also provides powerful grinding properties, such as:

- Increased grinding productivity from +10% to +15% at equal fineness.
- Reduced grinding energy cost at equal cement fineness.
- Improved cement quality.

Results from applicative tests with a clinker sourced in Africa.

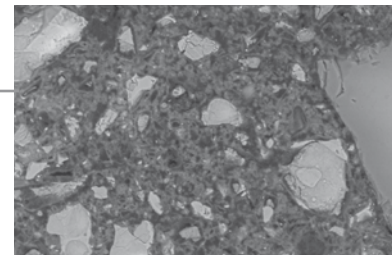
COMMITTED TO PROVIDING OPTIMISED PERFORMANCE

A GLOBAL APPROACH

SCIENTIFIC EXPERTISE

CHRYSO has a strong expertise in cement chemistry to provide you with the right technical solutions.

- Characterization of your clinker, cementitious materials and gypsum.
- Design of tailor-made solutions.
- Applicative lab tests with your materials.



Scanning Electron Microscopy

RECOMMENDATIONS

We provide cement manufacturers with a complete statement of our solution benefits.

- Applicative lab tests report.
- CHRYSO® Additive Benefit Costing including CO₂ emission reduction assessment.



ON SITE SUPPORT

Our technical experts will support you during the industrial trials for product validation and dosage optimisation.



**OUR CORPORATE R&D CENTRE COMBINED
WITH LOCAL REGIONAL LABORATORIES DELIVER
A FAST AND FOCUSED APPROACH**

CHRYSO® AMA 100 EL TECHNOLOGY

A COST-EFFICIENT SOLUTION TO TACKLE 3 MAIN CHALLENGES

CLINKER FACTOR REDUCTION

Increase of the Substitution Cementitious Material content in cement to achieve higher energy and production costs reduction.



HIGHER PERFORMANCE

Achieve higher cement performance levels. Increased clinker factor reduction while maintaining cement compressive strengths.



CHRYSO ACTIVATION SOLUTIONS

SAFER ENVIRONMENT

Achieve your CO₂ emission reduction commitment and decrease your environmental footprint.



CHRYSO
CEMENT
SOLUTIONS

ACTIVATION

SMALL DETAILS MAKE BIG THINGS HAPPEN

CHRYSO CEMENT SOLUTIONS aim to provide innovative and efficient technical solutions to improve cement performance, the productivity and profitability of cement industry.

Because each cement plant has its own issues and requirements, CHRYSO has developed a strong experience in cement business to provide customers with specific and high-level support and services on field.

Find us on www.chryso.com

CHRYSO Head Office

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