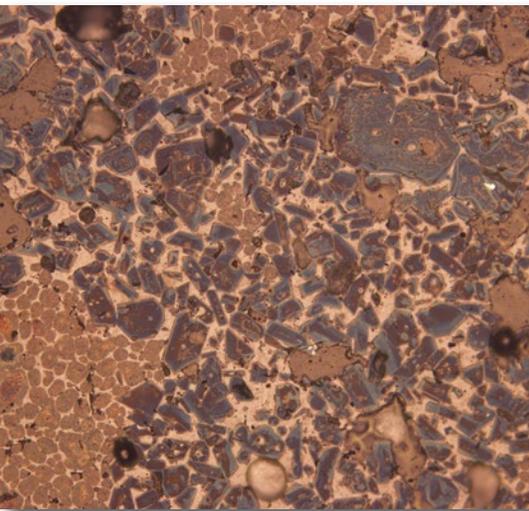




**EUCLID CHEMICAL**

# **EUCEM™ ICARE** CEMENT GRINDING TECHNOLOGY



**EUCEM ICARE VRM**  
FOR VERTICAL ROLLER MILLS

**EUCEM ICARE CP**  
FOR CHALLENGING PROCESSES

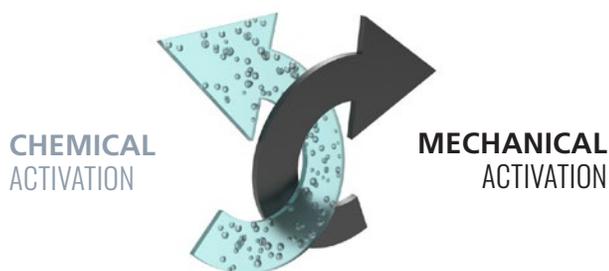
# A NEW WAY TO PROCESS CEMENT REACTIVITY

**EUCEM™ ICARE Technology** - Innovative **Cement Activation & Rheology Enhancement** - is a patent-pending solution.

**EUCEM™ ICARE** is a differentiating technology developed to provide **extra-activation** to cements manufactured from **challenging process configurations** and **Vertical Roller Mills**, specific processes where the performance of conventional strength enhancers is limited.

**EUCEM™ ICARE** additives increase compressive strengths at all ages due to better process interactions.

**EUCEM™ ICARE** empowers cement reactivity, creating a synergy effect between chemical and mechanical activation to further increase cement strengths at all ages and optimise clinker factor.



**EUCEM™ ICARE** Technology has been developed into two new strength enhancer ranges with a full set of products, enhancing all types of cement manufacturing:

**EUCEM™ ICARE VRM**

for Vertical Roller Mills

**EUCEM™ ICARE CP**

for Challenging Processes

**EUCLID CHEMICAL IS COMMITTED TO SUPPORTING THE CEMENT INDUSTRY IN TACKLING 3 KEY CHALLENGES.**



**Clinker Factor  
Reduction**



**Reduction of  
CO<sub>2</sub> Footprint**



**Higher  
Performance**

**EUCEM™ ICARE** provides additional levers to cement manufacturers resulting in reduced energy, production costs, and cement CO<sub>2</sub> footprint.

# EMPOWER CEMENT PERFORMANCE WITH EUCEM™ ICARE VRM ADDITIVES

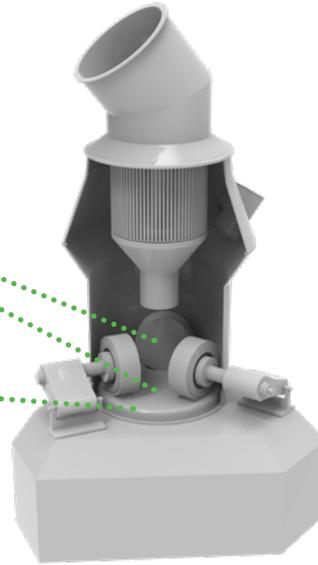
## Better control of cement grinding

Optimizing mill performance

- $\Delta P$  control
- Reduction of process vibrations

## Improved cement reactivity

Due to better process stability enabling reduction of water injection.



# MAXIMIZE YOUR PROCESS EFFICIENCY WITH EUCEM™ ICARE CP ADDITIVES

Control of cement powder transport properties according to process limitations.

## Separator

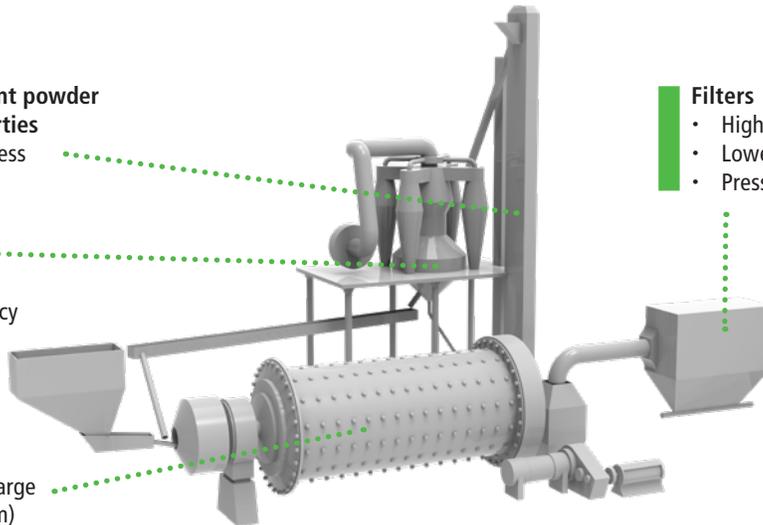
- Lower dust charge
- Better separator efficiency

## Mill

- Lower discharge rate charge
- Better PSD (lower R45 $\mu$ m)

## Filters

- Higher filter efficiency
- Lower dust charge
- Pressure monitoring



# AN INDUSTRY LEADER

## SALES & TECHNICAL SUPPORT

Since 1910, Euclid Chemical has provided a unique combination of superior products, unparalleled customer service and industry support with a range of value-added resources to architects, designers, contractors and owners.

- Over 120 experienced field sales and service representatives in North America
- Field team supported by dedicated product managers and field technical specialists
- Product & technology training programs
- Seminars featuring AIA certified programs
- Specification review & update service
- Design & installation consultation/ professional engineering staff
- Real-time technical support on products and applications



## LABORATORY SERVICES & PRODUCT DEVELOPMENT

Our world-class Cement and Concrete Reference Laboratory (CCRL) is equipped with state-of-the-art technologies and is staffed by ACI certified technicians. Our product testing program conforms to accepted standards of ASTM, The U.S. Army Corps of Engineers, ACI and ICRI.

- Research & development
- Concrete testing
- Petrography, forensics
- Mix design development
- Material analysis
- Technical support requests

## QUALITY

Euclid Chemical products are manufactured under the stringent standards of our ISO 9001:2015 certification.

- Company-wide quality assurance: manufacturing, design, purchasing, distribution & management
- Continuous improvement

## SUSTAINABLE CONCRETE SOLUTIONS

Euclid Chemical is committed to providing sustainable solutions for the concrete construction industry. Euclid Chemical provides numerous products that reduce material consumption, increase productivity, extend the service life and overall durability of concrete. With verified Environmental Product Declarations and LEED v4 certifications, Euclid Chemical continues to develop lasting solutions for the environment as well as the industry.



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