



# CMA 72

Leading castable technology

# CMA 72

LEADING CASTABLE TECHNOLOGY

CMA 72 is the realisation of numerous years of intense research to develop a binder that increases the corrosion resistance of alumina-magnesia spinel containing castables.

## UNIQUE

**CMA 72** is a unique multi-component calcium-magnesium-aluminate binder obtained by reaction sintering.

**CMA 72** contains a homogeneously distributed ultra fine alumina-magnesia spinel phase within the grain structure.

**CMA 72** displays very similar placing characteristics to other calcium aluminate cements ensuring ease of castable formulation whilst simultaneously exceeding the in-service performance of existing castable technologies.

## ULTIMATE

**CMA 72** provides a novel and flexible formulation approach for both pre-formed and in-situ alumina-magnesia castable systems.

**CMA 72** demonstrates synergetic effects when mixed with Peramin® AL 200/300 to develop dense structures with low water demand, high flow and easy placing properties.

The engineered castable microstructure generated by **CMA 72** leads to castables with superior thermo-mechanical properties, increased corrosion resistance and penetration resistance to molten metals and slags.

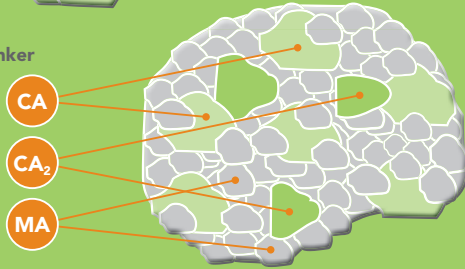
## UNIQUE MINERALOGY

Schematic representation of clinker composition

CAC clinker



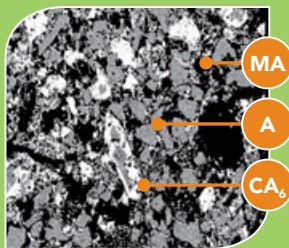
CMA72 clinker



## UNIQUE MICROSTRUCTURE

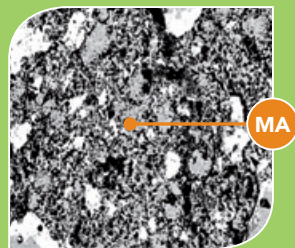
Castable microstructure after firing at 1,500°C

SECAR® 71 + SP



100 μm

CMA 72



100 μm



## BUILT-IN CORROSION RESISTANCE

SECAR® 71 + SP



CMA 72



Rotary slag corrosion test:

1,650°C with BOS slag • C/S = 2.1 • Castable with 18% CMA72

# Worldwide network

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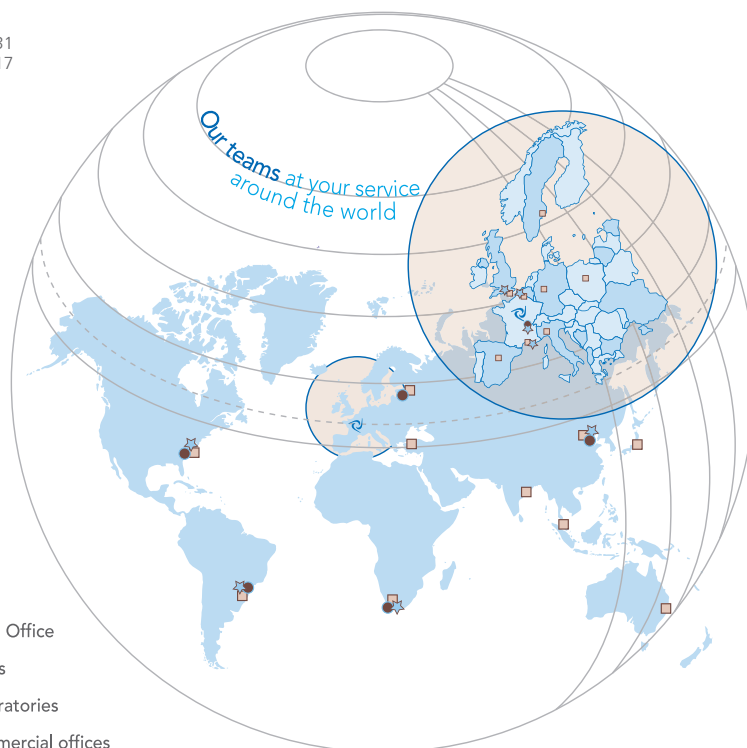
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