

PRODUCT INFORMATION SHEET



CALDE® MAG CAST K 85 SP Advanced magnesia spinel castable

PRODUCT DESCRIPTION

- Our CALDE® MAG CAST K 85 SP is a dense magnesia based castable with synthetic spinel addition.
- Wherever high temperatures up to 1.800°C occur in combination with thermal cycles and a heavy chemical load, including liquid clinker phases, our newly developed CALDE® MAG CAST K 85 SP is THE material of choice. No other product on the market is providing a satisfactory lifetime for those problem areas.
- You can install CALDE® MAG CAST K 85 SP as any castable without additional precautions. It can be heated-up extremely quickly due to the bonding system is the well-known QD® NCC technology by Calderys.

MAJOR BENEFITS

→ Decreased downtime

CALDE® MAG CAST K 85 SP allows quick and easy installations and can be heated-up quickly because of the QD® NCC binding system.

→ Less refractory maintenance

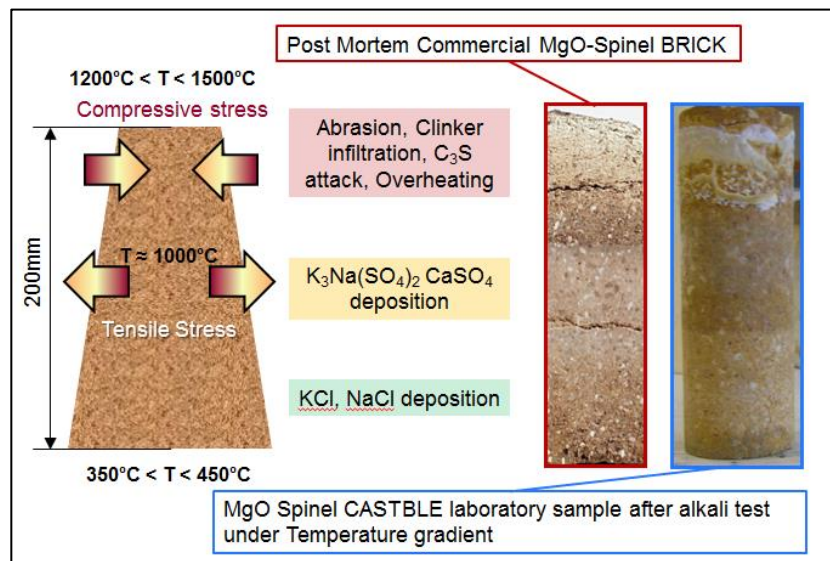
Using this product, you can achieve a much longer lifetime in the problem areas of many applications. Even the lining of certain zones in rotary kilns is providing advantages in case of unstable coating, high temperatures and kiln shell deformation.

→ Savings

We have developed a tool which calculates the potential savings when using our CALDE® MAG CAST K 85 SP.

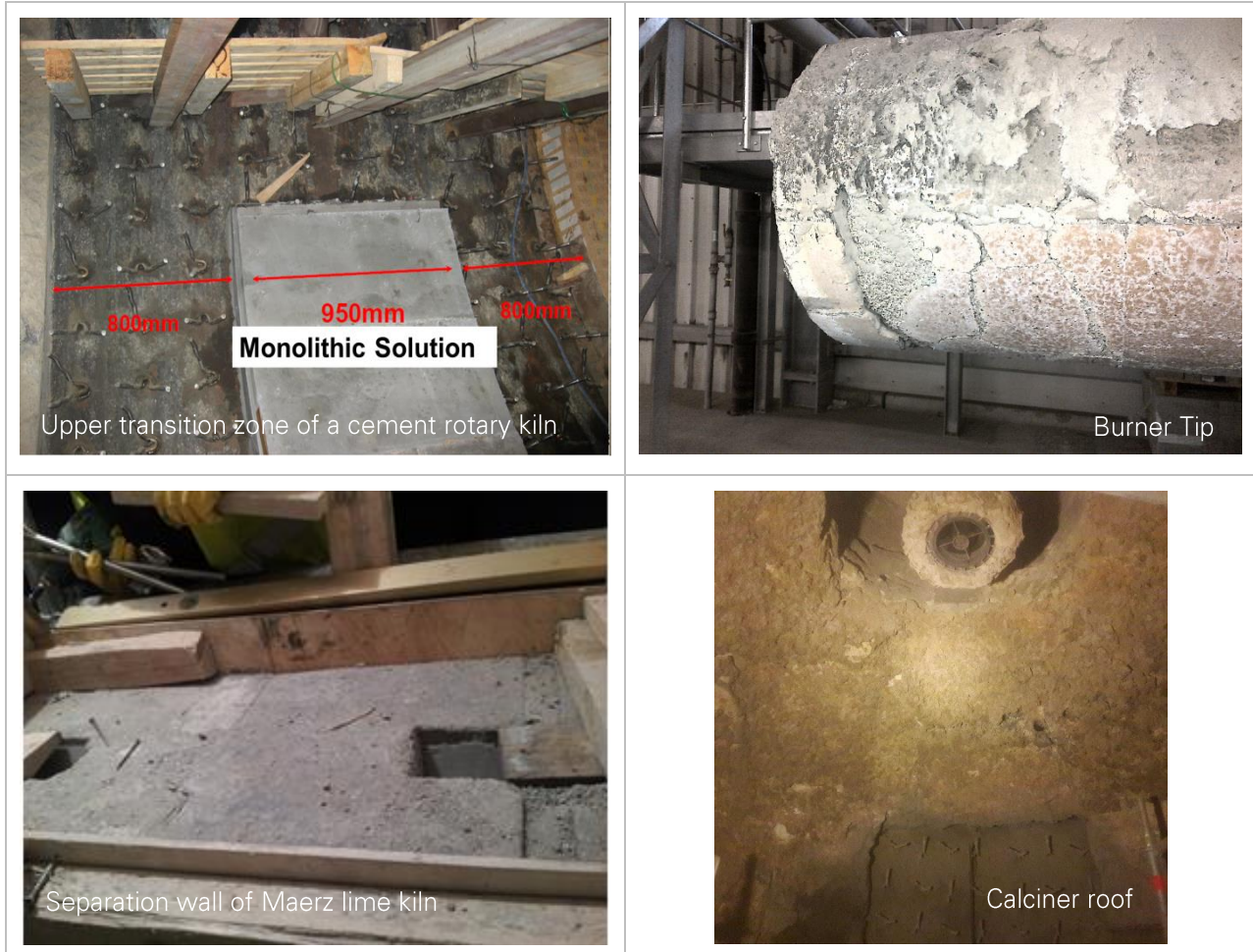
→ An alternative to bricks

Our CALDE® MAG CAST K 85 SP is a “living” solution. Bricks are pre-fired and have the same properties at any position. A castable is providing lower permeability and porosity, leading to a significant lower infiltration and therefore crack rate.



TYPICAL USE AND APPLICATION

We have installed CALDE® MAG CAST K 85 SP in many different applications:



In the meantime, we have installed this material as a safety lining for the slag zone of steel ladles.

How to apply CALDE® MAG CAST K 85 SP?

- CALDE® MAG CAST K 85 SP water requirement: ~4 l/100 kg
- Mix with water as per product specifications
- Apply like NCC or LCC castable
- No curing time
- Heating-up according to QD® NCC recommendation