

## D59A

HASLE D59A is strong and very dense low cement castable, which combines the best refractory properties from several natural high-alumina raw materials, including andalusite and mullitized bauxitic clay. D59A shows high mechanical strength, good shock resistance and excellent abrasion resistance. Thanks to its low porosity D59A performs well against most chemical vapors and reduces build-up.

### Applications

HASLE D59A is successfully used in various industries, especially in the cement industry where it has numerous applications in the most critical areas e.g. burner pipe, nose ring, kiln outlets, bull's nose plus grater cooler roof and walls.

The chemical composition of D59A makes it resistant to mixtures of alkalis, chlorines and sulfates at moderate levels. Therefore D59A is widely used in cement kilns fired with various alternative fuels.



The picture shows a precast bull's nose of D59A

HASLE D59A is also able to withstand most refractory challenges met in the Biomass- and Waste-to-Energy sector. D59A performs well on wall and roof in waste incinerators as well as biomass fired boilers.

In Scandinavia we have excellent references on precast D59A elements being used in steel rolling mills, in foundries and in glassworks. D59A resists high mechanical load and thermal shock at the same time.

## D59A-EF

This is an easy-flow finer grain sized version of the original D59A. The easy-flow version needs much less vibration during installation. D59A-EF is successfully used in steel-ladles in Asia.

## GUN59A

Dry gunning mix based on the same raw materials as D59A and D59A-EF and hence exhibits similar performance. GUN59A has excellent high-temperature properties and is very suitable for repairs and fast installations.

**WE PROTECT YOUR PROCESS**