

## PRODUCT DESCRIPTION FERRUM S

**Ferrum S** is SMA Mineral's quicklime product for the steel industry produced in a shaft furnace. It is used as a flux and slag conditioner in several of the process stages in steel-making and is produced at a number of SMA Mineral's production units in Sweden, Norway and Finland.

Ferrum S is supplied in a variety of fractions as per customer requirements, and in briquette form. Here at SMA Mineral, we always take great care in selecting raw materials. They must fulfil the customer's product requirements, and help us to achieve an optimal production process at our own plants.

We have two product variants in our basic range, with slightly differing properties. We can also supply customised products.

### Chemical composition\*

SUBSTANCE	FERRUM S1	FERRUM S2
CaO tot	92	95
MgO	1.5	1.2
Fe <sub>2</sub> O <sub>3</sub>	0.5	0.3
SiO <sub>2</sub>	2.2	1.4
Al <sub>2</sub> O <sub>3</sub>	0.9	0.5
P <sub>2</sub> O <sub>5</sub>	0.04	0.02
S	0.08	0.05
C	0.5	0.5

\*Guideline value

### Fractions

Ferrum S is generally supplied in a variety of fractions within the range 0-50 millimetres.

### Transport and packaging

Bulk transport by road is the most common method of delivery. If necessary, the lime can also be supplied in sacks.

### Quality

In order to ensure that the quality level fulfils set requirements, we take samples and conduct regular tests, at both individual production units and SMA Mineral's central laboratory.

### Safety

Quicklime can be harmful if it comes into contact with the eyes or skin, so please read our safety data sheet for this product, which is available on our website.

### Service

As a customer, when you choose a product from the Ferrum family from SMA Mineral, you will always have a personal sales representative who you can contact and who will actively follow up to ensure everything is running smoothly. In the event of urgent queries or need for delivery, our transport managers are available around the clock, seven days a week, all year round.