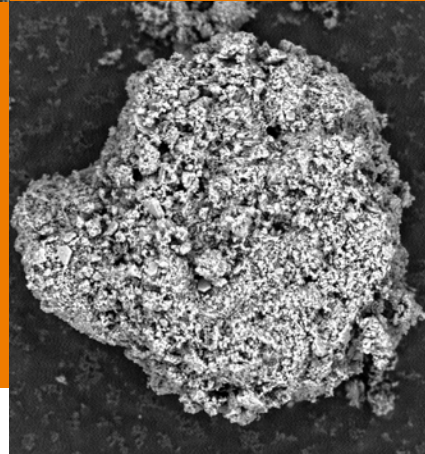




Effective Reduction of Harmful Substances

Fels Hydrated High-Calcium Lime - Highly Active -



Description

Fels highly active hydrated high-calcium lime is an innovative product for flue gas purification applications:

- Rapid and intensive reaction with acidic polluting gases
- Low consumption
- Lower residue yield

Field of application

For use in air pollution control applications at incineration plants using the dry sorption process.

Benefits

With its special characteristics, Fels highly active hydrated high-calcium lime is particularly effective in ensuring clean air:

- Very high specific surface area > 40 m²/g
- High pore volume
- Rapid and intensive reaction with acidic polluting gases
- Very high separation efficiency for SO₂ and HCl
- Low stoichiometries

Characteristics

- Ca(OH)₂ calcium dihydroxide
- CAS 1305-62-0
- EINECS 215-137-3
- Bulk weight 0.34 kg/dm³

Fels - Lime for life

Fels
SigmaRoc

Reliable and rapid effect:

Fels Hydrated High-Calcium Lime - Highly Active -

Hydrated lime has been used for decades as a cost-effective consumable for flue gas purification. Its use ensures that all threshold values set forth in environmental legislation are reliably met. Using Fels highly active hydrated high-calcium lime it is now possible to reliably meet even more stringent emission limits – with lower consumption and simultaneously lower residue yields. It can be used at all incineration plants that employ the dry sorption process, e.g. in biomass cogeneration plants, waste incineration plants, power stations and industrial plants.

Operating principle: rapid and intensive reaction

The very high specific surface area of Fels highly active hydrated high-calcium lime ensures a rapid and intensive reaction with the acidic components in the polluting gases and simultaneously high separation efficiency. The active substance $\text{Ca}(\text{OH})_2$ is delivered such that optimum absorption of the pollutant is ensured. The high pore volume prevents the early coating of $\text{Ca}(\text{OH})_2$ and associated deactivation by reaction products. Its effectiveness is also excellent under adverse temperature and humidity conditions.

Properties and usage:

Fels highly active hydrated high-calcium lime is a natural product. It is transported by truck in powder form, stored in silos and batched and conveyed normally pneumatically. Usage should be selected depending upon the technical processing conditions.

Containers

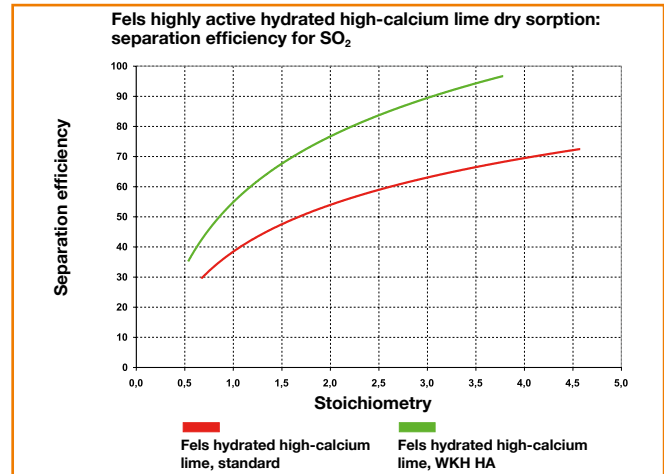
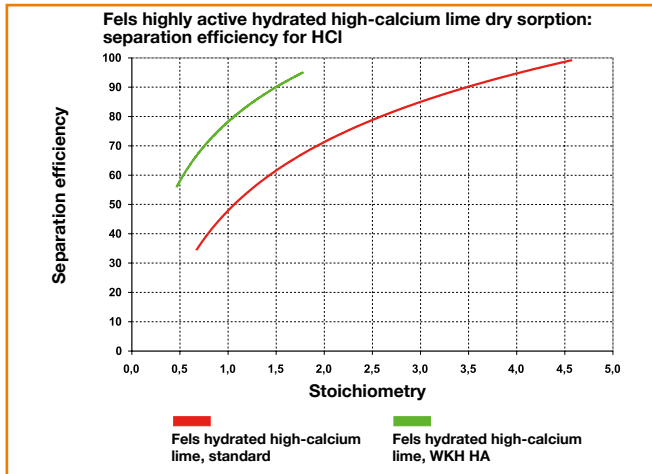
- Big-bag
- Bulk product

Supplying plant

Kalkwerk Oberharz
Site Kaltes Tal
38875 Elbingerode

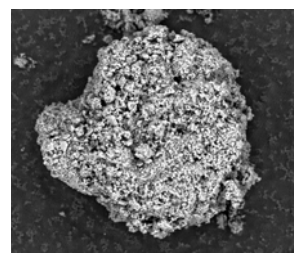
Hazard classification

- Irritating effect on the skin Cat. 2
- Severe eye damage Cat. 1
- Specific target organ toxicity (single exposure) Cat. 3

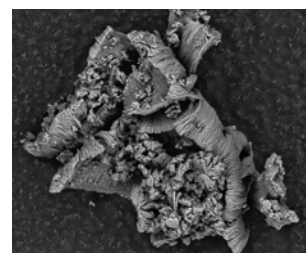


Fels highly active hydrated high-calcium lime ensures compliance with the required limits – with low consumption and residue yield.

Fels-Werke GmbH
Vertrieb Umwelt
Geheimrat-Ebert-Straße 12
38640 Goslar
Tel. (05321) 703-423
daniel.finke@fels.de
www.fels.de



Fels hydrated high-calcium lime
WKH HA
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lime standard
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