

New Calbreed

Calbreed S II

Highly reactive Calcium Hydroxide for Waste Incinerators

Product Information

In Japan, it is quite general in municipal incinerators to use calcium hydroxide for eliminating HCl and SO_x in exhausted gas. Recently, to cope with more stringent regulations and requirement to decrease the volume of exhausted fly ash, the demand for highly reactive calcium hydroxide has been increasing. Calbreed has enjoyed good reputation for this application.

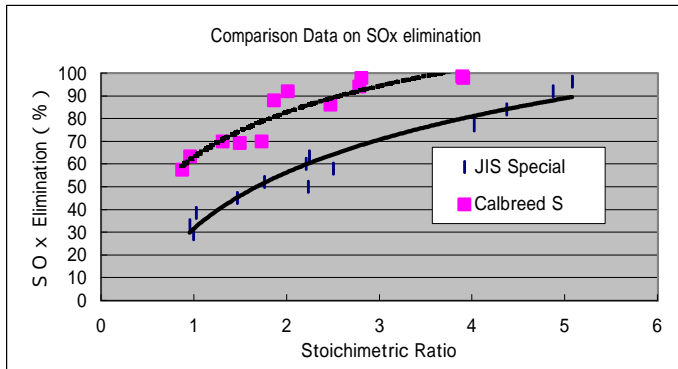
Based on compiled expertise of applying this old Calbreed on acid gas treatment, we have developed new items with improved properties on handling and reactivity, and come up with New Calbreed and Cabreed S.

In some municipal incinerators with acid gas treatment system based on dry process, it is difficult to eliminate SO_x lower than stringent regulation value by conventional reagent due to an inferior performance on SO_x elimination. New Calbreed and Cabreed S provide solution on that cases by superior performance on efficiency of acid gas treatment.

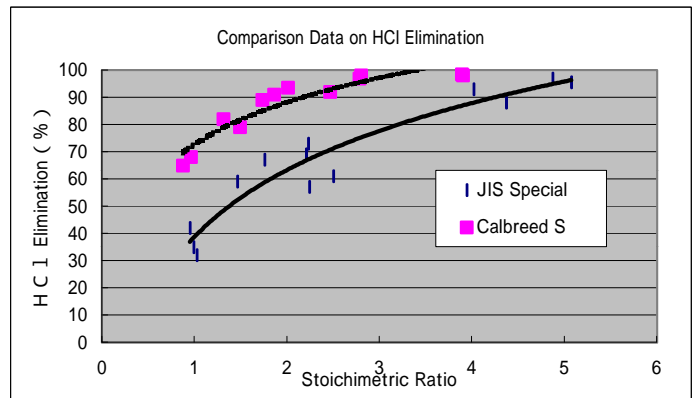
Specification

	J I S Special	old Calbreed	New Calbreed	Cabreed S
BET Surface Area (m ² /g)	12 ~ 15	32 ~ 37	35 ~ 42	48 ~ 55
Pore Volume(20-1000) (cc/g)	0.06 ~ 0.08	0.11 ~ 0.16	0.15 ~ 0.18	0.18 ~ 0.23
Mean Particle Diameter (μ m)	6 ~ 8	4 ~ 5	6 ~ 8	6 ~ 8
Apparent Density loose	0.45 ~ 0.50	0.30 ~ 0.35	0.40 ~ 0.45	0.40 ~ 0.45
Tapped	0.75 ~ 0.90	0.55 ~ 0.60	0.70 ~ 0.80	0.70 ~ 0.80
Dynamic Apparent Density	0.57 ~ 0.68	0.41 ~ 0.45	0.53 ~ 0.60	0.53 ~ 0.60

Comparison Data on SO_x elimination



Comparison Data on HCl elimination



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