



BANGKOK CaO CO.,LTD

QuickLime

www.bkkcao.com

BANGKOK CaO Co.,LTD.

Established in 1995

**Operating a business producing Calcium Oxide
lime or Quick Lime.**

**For more than 29 years, there are currently 2
lime production plants.**

Production capacity 450 tons of lime/day

- Factory 1, production capacity 300 tons of lime/day**
- Factory 2, production capacity 150 tons of lime/day**

BANGKOK CaO Co.,LTD.

- **In 1996, Kiln #1 production began at Factory 1, production capacity 150 tons of lime/day.**
- **In 2009, Kiln #2 production began at Factory 2 with a total production capacity of 300 tons of lime/day.**
- **In 2022, Kiln #3 production began at Factory 1, with a total production capacity of 450 tons of lime/day.**

Factory 1

34/1 Moo 4 Tharue-Phaphuttabat Rd. Tambol Phukrang Amphur Phaphuttabat Saraburi 18120



Factory 2

24/2 Moo 11 Tambo Huipawai Amphur Phaphuttbat Saraburi 18120



Solar Cell 550 KW



- **Factory 1**



- **Factory 2**

Only one company that using fuel oil as fuel



• **Factory 1**



• **Factory 2**

Production Process

Raw Material

Limestone (CaCO_3) 2"- 4" Inches



Production Process

Check Limestone Quality at Mining

1 time / week



Materials Control

Production Process

Process of Limestone



Mining



Crushing & Operation



Logistics

Materials Control

Production Process

Inspect at Stone mill

2 times / week



Production Process

Inspect at plant



- **Quality Department inspect before pouring Limestone 2 times/day**



- **Limestone stock about 100,000 tons**

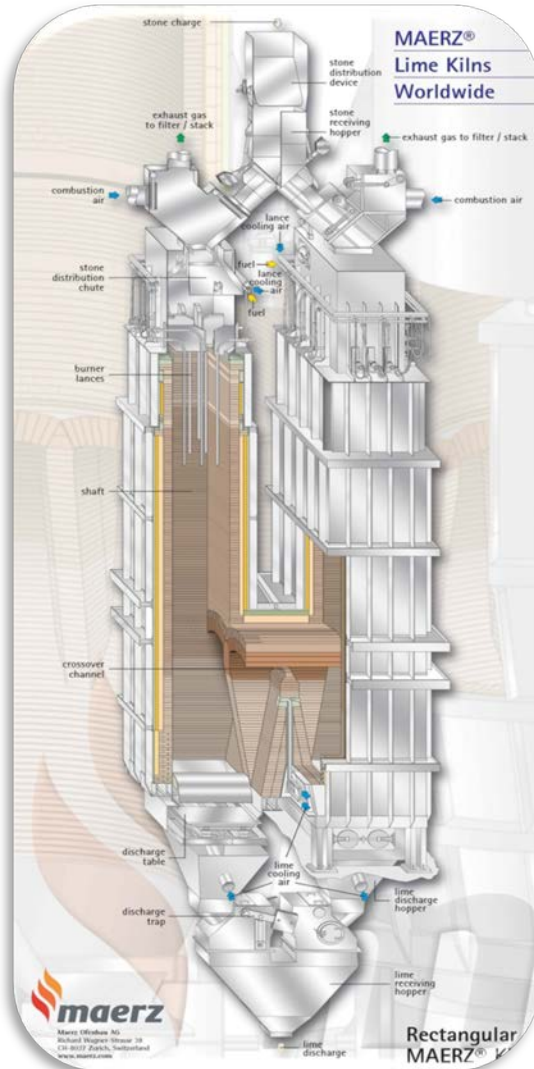
Production Process

Screen Limestone before in Process



Production Process

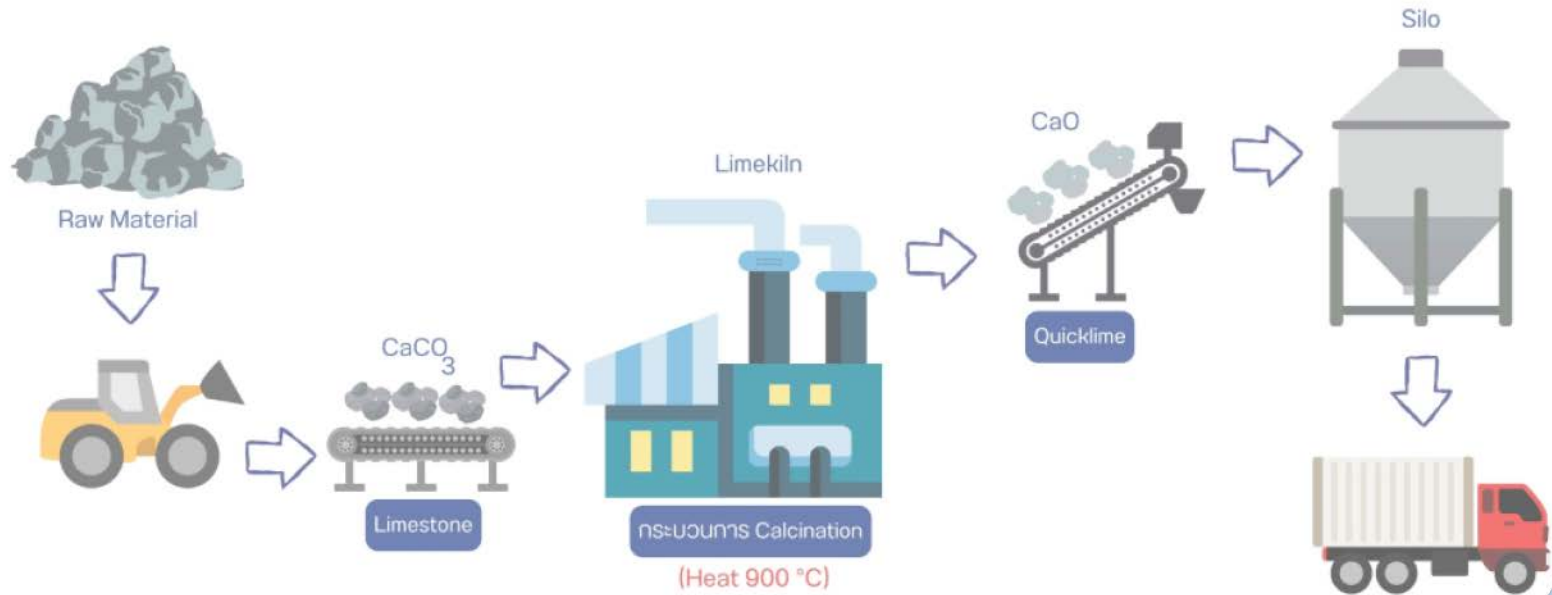
“MAERZ Lime Kilns”



Production Process

Main Process Of Quicklime

Process of Quicklime



Capacity of Lime Kilns 164,000 Tons/year

Production Process



- **Staff screen quality products before storage in Silo**



- **Install Magnetic screen to detect metal before storage in Silo**

Production Process

Storage in Silo

- **Factory 1 : 9 Silo**



4,500 Tons

- **Factory 2 : 2 Silo**



2,000 Tons

Quality Control

Production Process

Quality Control of Quicklime CaO



Quality Control

ปูนขาวหรือแคลเซียมออกไซด์ (Calcium Oxide)

CHEMICAL PROPERTIES	UNIT	ปูนก้อน	ปูนก้อน	ปูนเกล็ด		ปูนผง	
		LUMP LIME 2" - 4"	LUMP LIME 1"	AGGREGATE 0 - 5 มม.		GRINDING LIME	
		Normal gade	Normal gade	Normal gade	Premium gade	Normal gade	Premium gade
Calcium Oxide (CaO)	%	90 - 93	90 - 93	90 - 93	> 94.0	90 - 93	> 95.0
Magnesium Oxide (MgO)	% (max)	1.5	1.5	1.5	1	1.5	1
Carbon Dioxide (CO ₂)	% (max)	2.5	2.5	2.5	1.5	2.5	1.5
Silicon Dioxide (SiO ₂)	% (max)	1	1	1	1	1	1
Aluminium Oxide (Al ₂ O ₃)	% (max)	0.4	0.4	0.4	0.4	0.4	0.4
Ferric Oxide (Fe ₂ O ₃)	% (max)	0.1	0.1	0.1	0.1	0.1	0.1
Sulfur (S)	% (max)	0.1	0.1	0.1	0.1	0.1	0.1
Acid Insoluble	% (max)	2	2	2	2	2	2
Loss On Ignition	% (max)	4	4	4	2	4	1.5
Reactivity, T60	Minutes	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4
Water Insoluble Content	% (max)	5	5	5	5	5	5
Bulk Density	g/ml	1.25 - 1.30	0.80 - 1.25	0.80 - 1.20	0.80 - 1.20	0.80 - 1.20	0.80 - 1.20
pH		12	12	12	12	12	12
Particle Size		0 - 100 mm.	0 - 35 mm.	0 - 5 mm.	0 - 5 mm.	100 - 200 Mesh	100 - 200 Mesh
Shelf Life	days	60	60	60	60	60	60

Product Size



- **Lump Lime Size 0 – 100 mm.**



- **Lump Lime Size 0 – 25 mm.**

Logistics



Product Size



- **Aggregate Size 0 – 5 mm.**



- **Grinding Quick Lime
100 Mesh – 325 Mesh**

Logistics



Grinding Lime



Packed 25 kg bags.



Packed 1,000 kg bags.

Certification / Verification

ISO 9001:2015

**THAILAND INSTITUTE OF SCIENTIFIC AND
TECHNOLOGICAL RESEARCH (TISTR)**



HALAL

**THE CENTRAL ISLAMIC COUNCIL
OF THAILAND**



Green industry



Application

Industrial fields

- Iron & Steel Industry
- Pulp & Paper Industry
- Chemicals Industry
- Construction Industry
- Non-Ferrous Industry
- Plastic & Rubber Industry

Agricultural fields

- Sugar
- Aquatic

Environment fields

- Waste Water Treatment



Marketing



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