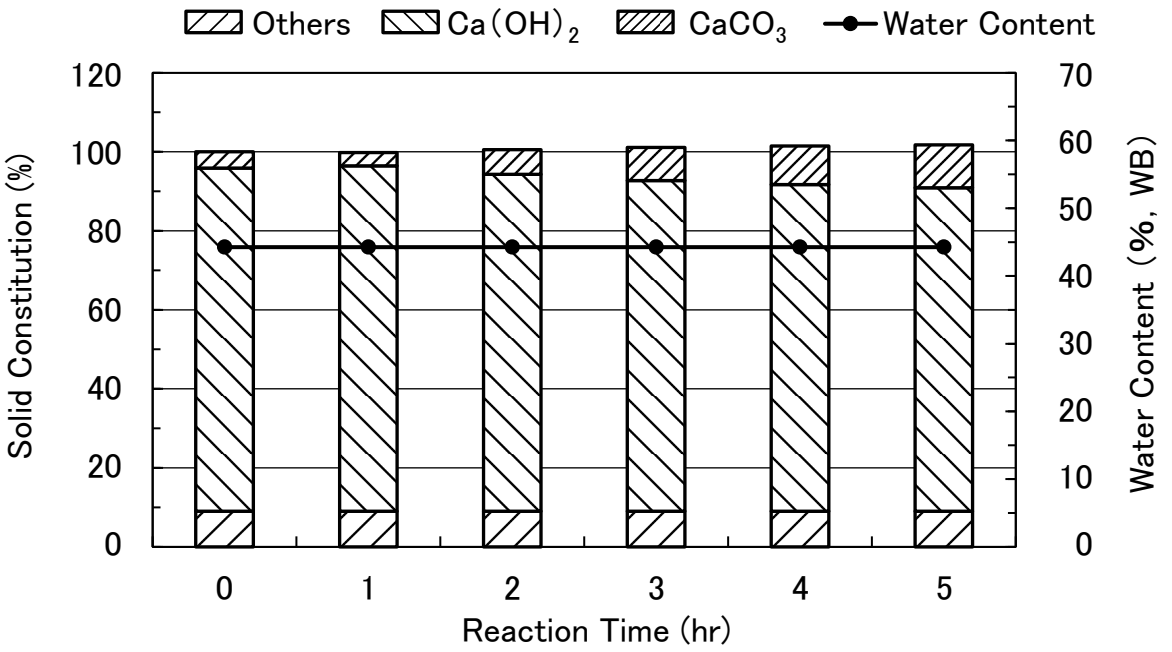
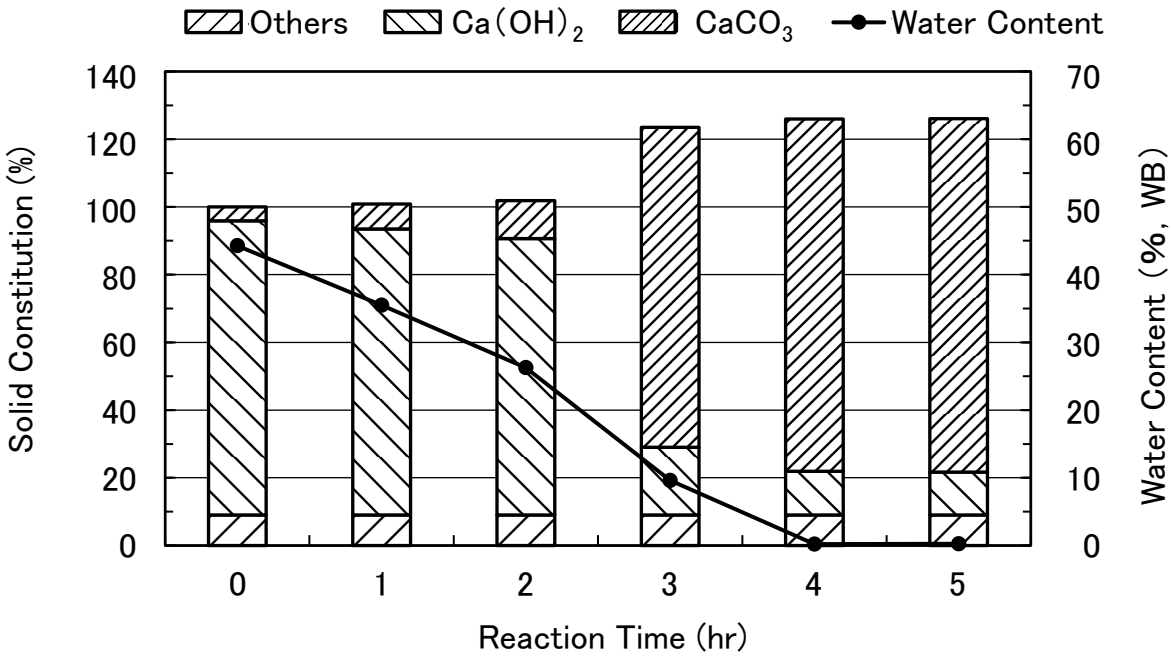
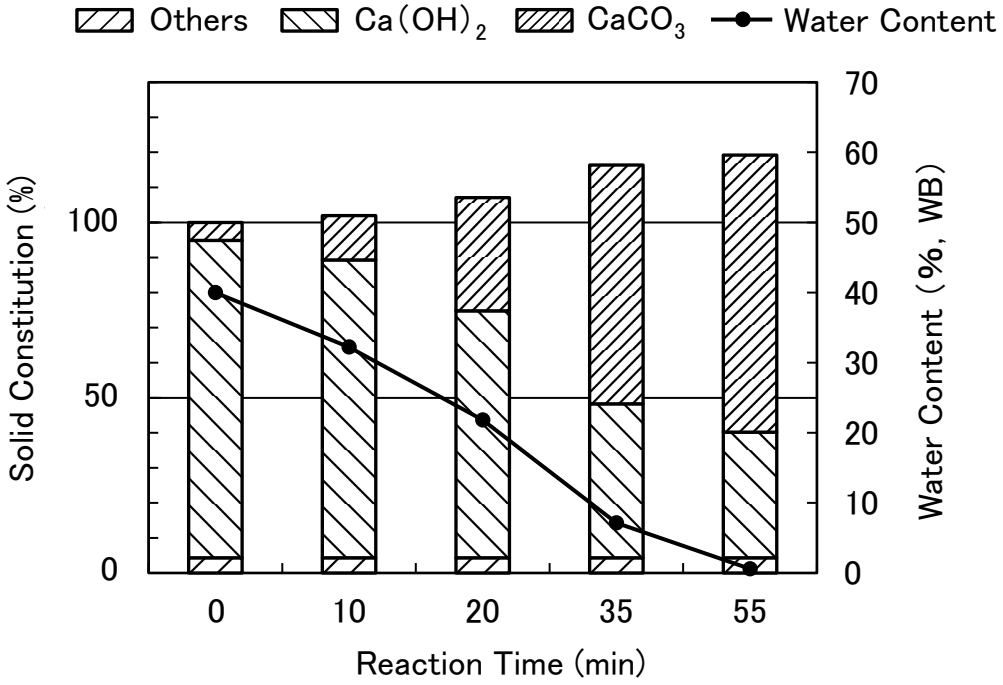
[FIG. 1]


Others
Ca(OH)2
CaCO3
Water Content
Solid Constitution (%)
Water Content (%, WB)
Reaction Time (hr)
0
20
40
60
80
100
120
0
10
20
30
40
50
60
70
0
1
2
3
4
5

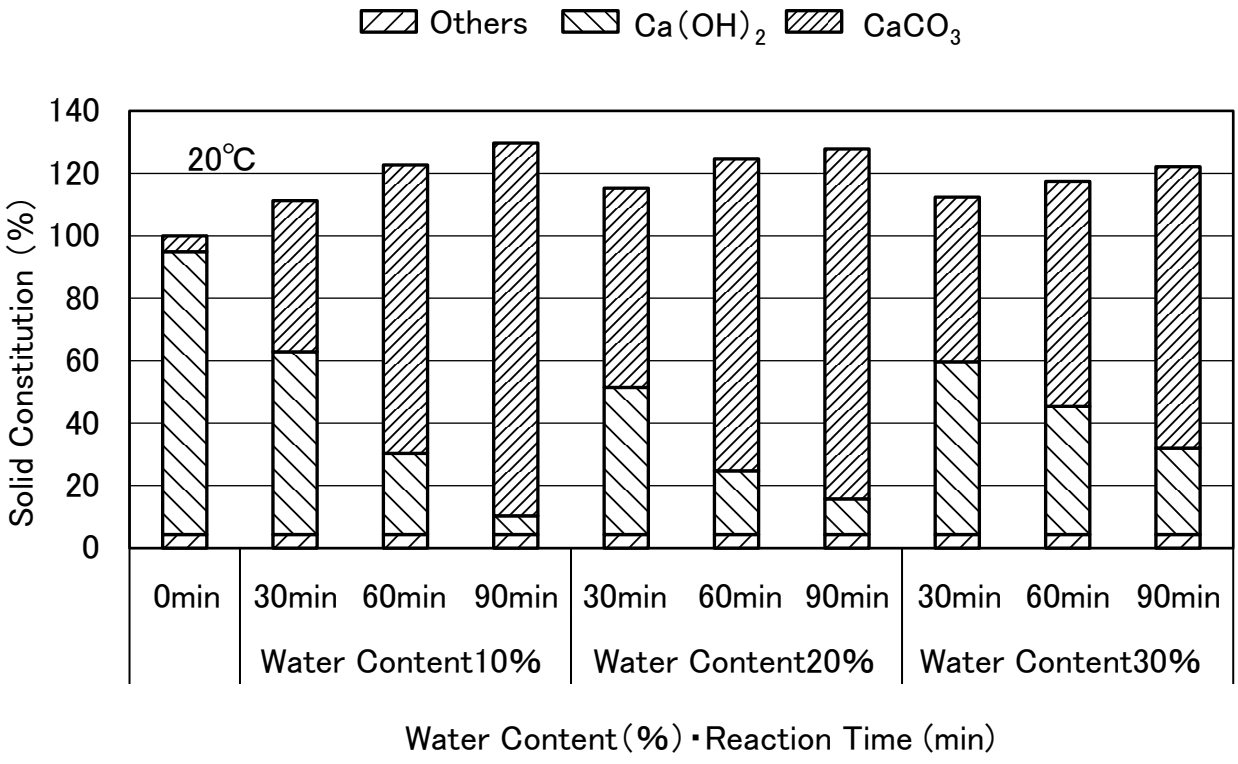
[FIG. 2]


Others
Ca(OH)2
CaCO3
Water Content
Solid Constitution (%)
Water Content (%, WB)
Reaction Time (hr)
0
20
40
60
80
100
120
140
0
10
20
30
40
50
60
70
0
1
2
3
4
5

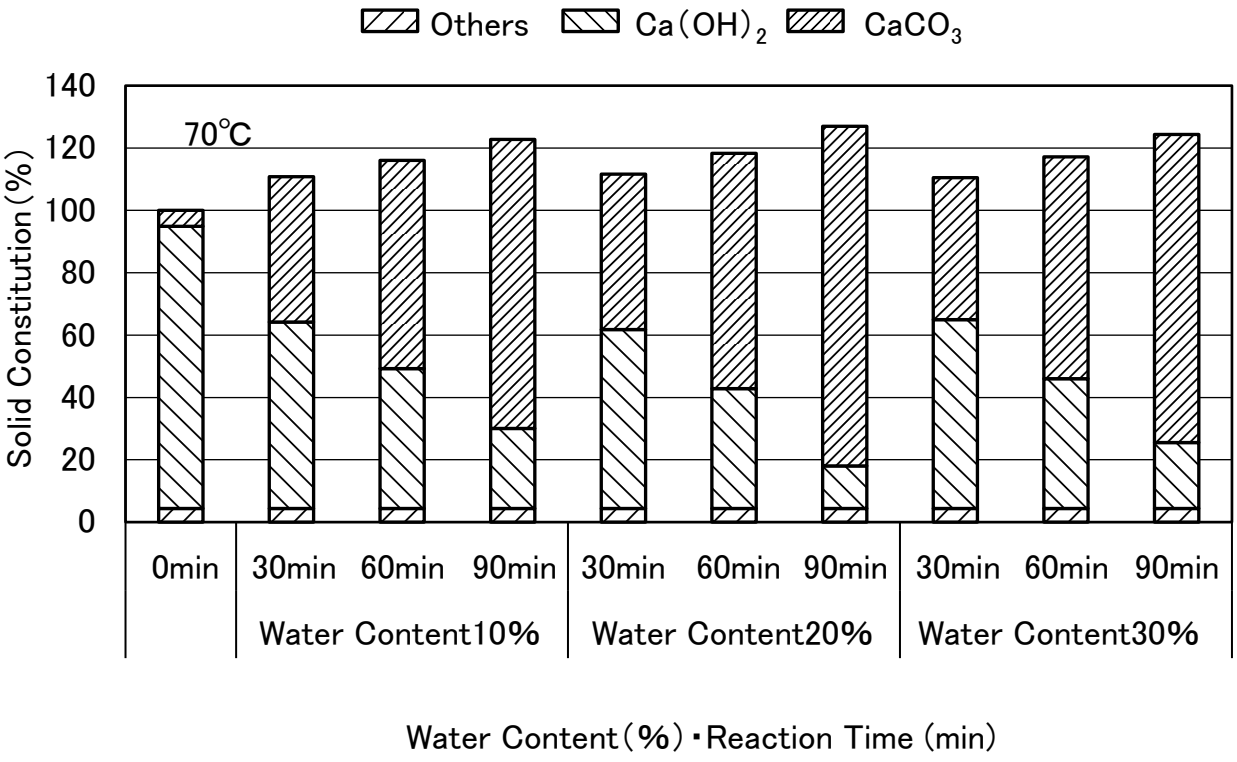
[FIG. 3]


Others
Ca(OH)2
CaCO3
Water Content
Solid Constitution (%)
Water Content (%, WB)
100
50
0
70
60
50
40
30
20
10
0
0
10
20
35
55
Reaction Time (min)

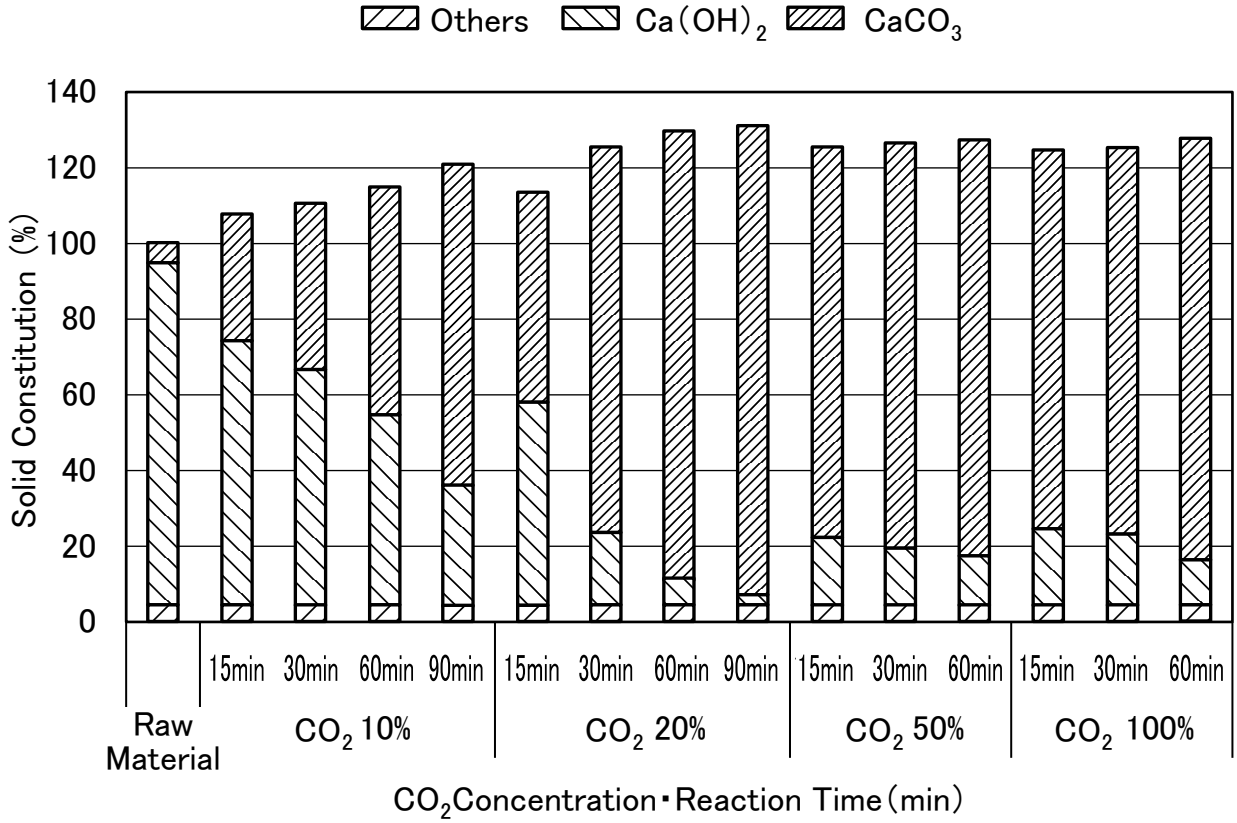
[FIG. 4]


Others
Ca(OH)2
CaCO3
20℃
Solid Constitution (%)
140
120
100
80
60
40
20
0
0min
30min
60min
90min
30min
60min
90min
30min
60min
90min
Water Content10%
Water Content20%
Water Content30%
Water Content(%)・Reaction Time (min)

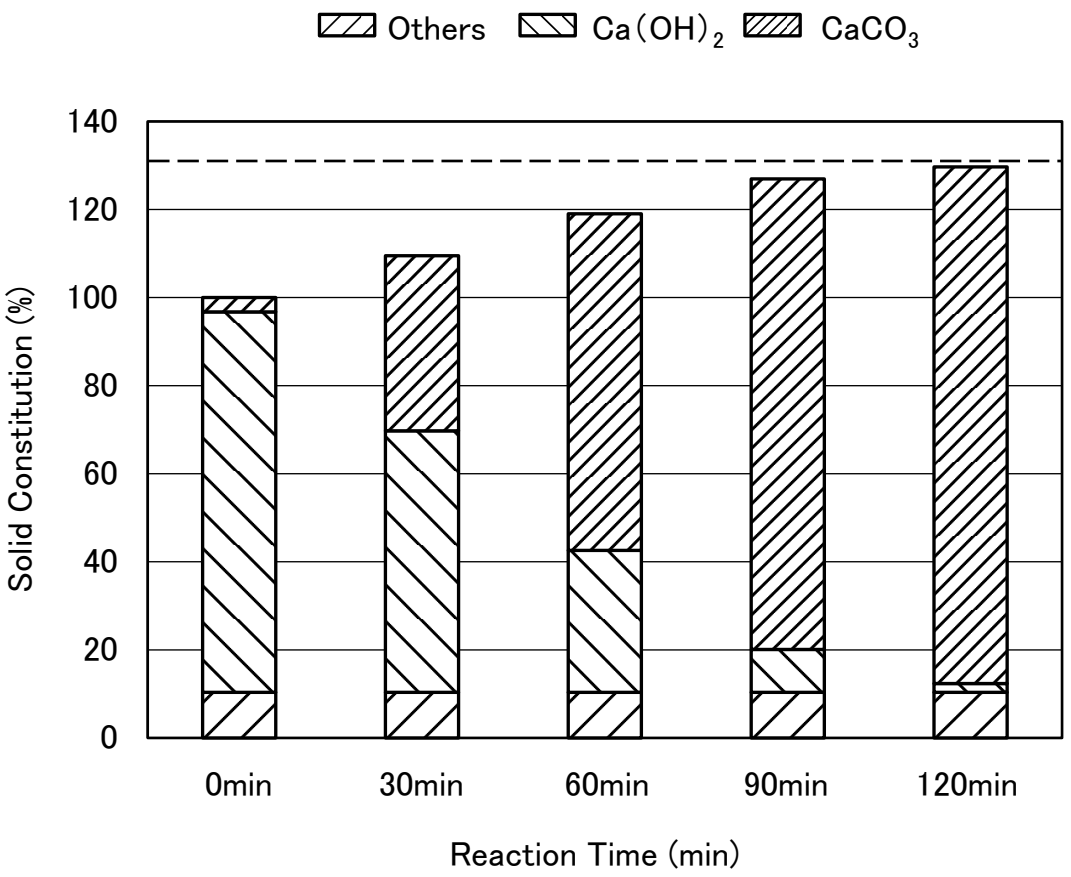
[FIG. 5]


Others
Ca(OH)2
CaCO3
140
120
100
80
60
40
20
0
Solid Constitution (%)
70℃
0min
30min
60min
90min
30min
60min
90min
30min
60min
90min
Water Content10%
Water Content20%
Water Content30%
Water Content (%)・Reaction Time (min)

[FIG. 6]


Others
Ca(OH)2
CaCO3
140
120
100
80
60
40
20
0
Solid Constitution (%)
15min
30min
60min
90min
15min
30min
60min
90min
15min
30min
60min
15min
30min
60min
Raw Material
CO2 10%
CO2 20%
CO2 50%
CO2 100%
CO2Concentration・Reaction Time (min)

[FIG. 7]


Others
Ca(OH)2
CaCO3
140
120
100
80
60
40
20
0
Solid Constitution (%)
0min
30min
60min
90min
120min
Reaction Time (min)