FIG. 1

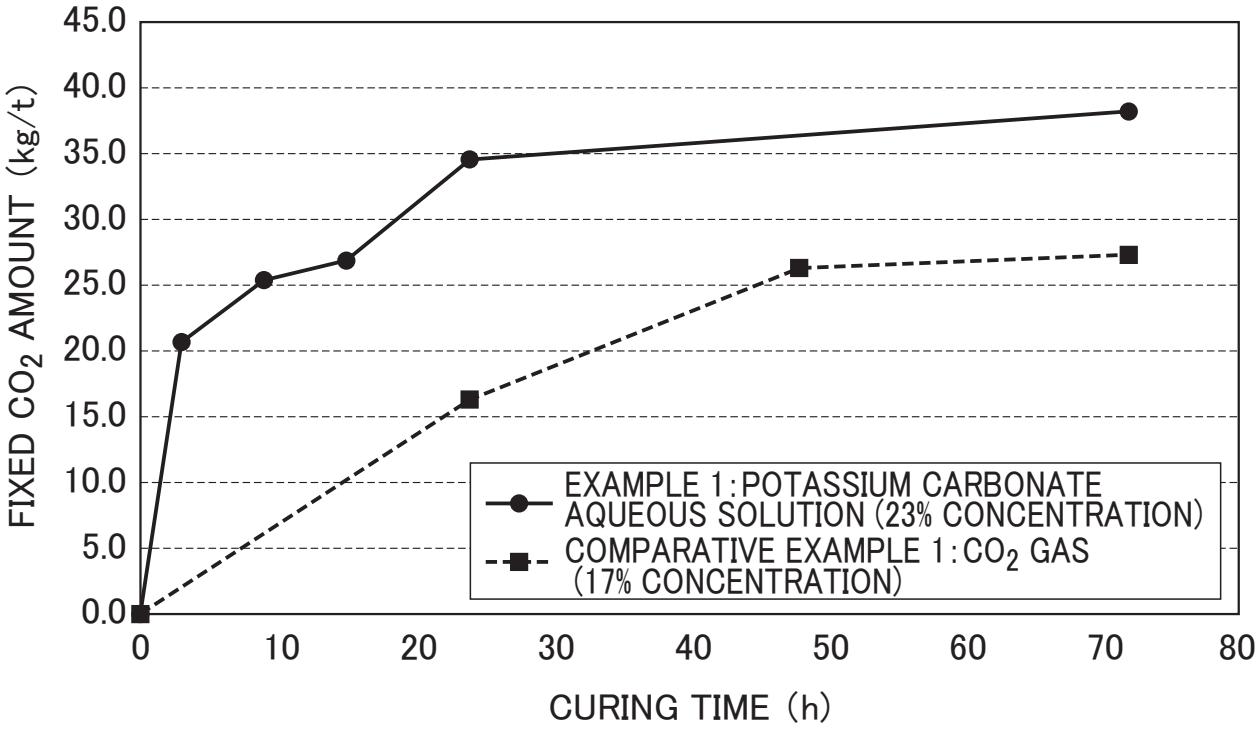

45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
FIXED CO_2 AMOUNT (kg/t)
0
10
20
30
40
50
60
70
80
CURING TIME (h)
EXAMPLE 1:POTASSIUM CARBONATE AQUEOUS SOLUTION (23% CONCENTRATION)
COMPARATIVE EXAMPLE 1:CO_2 GAS (17% CONCENTRATION)

FIG. 2

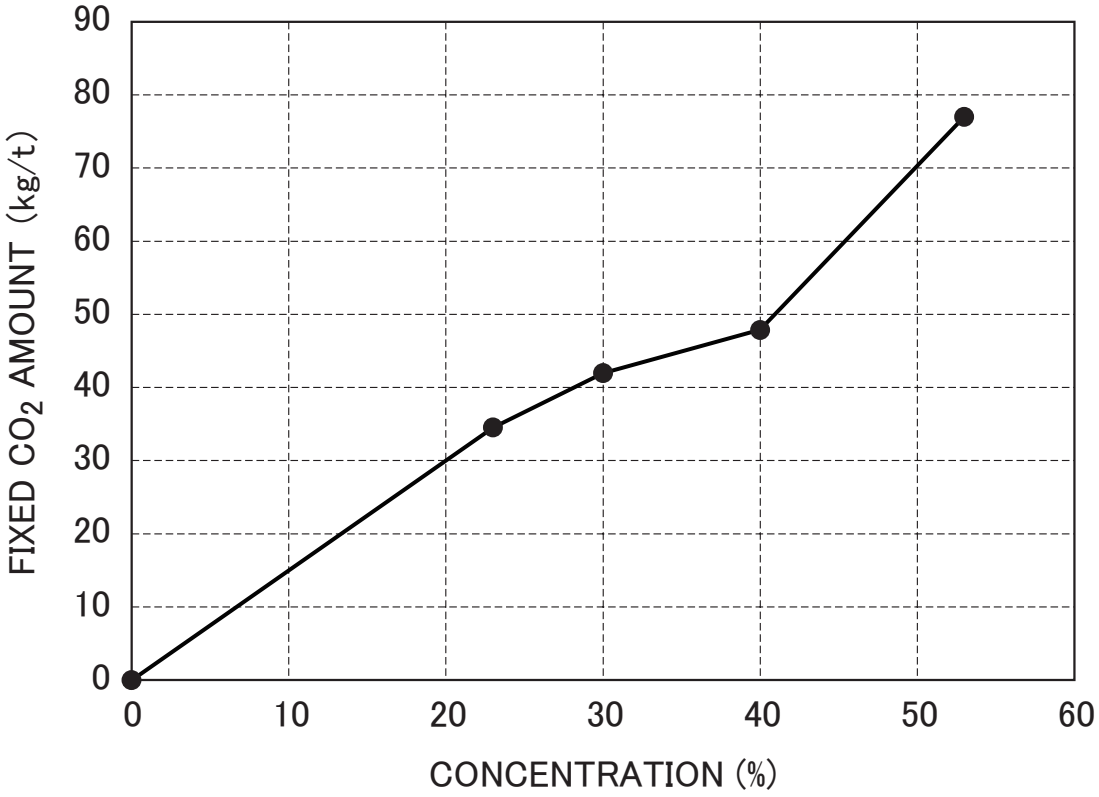
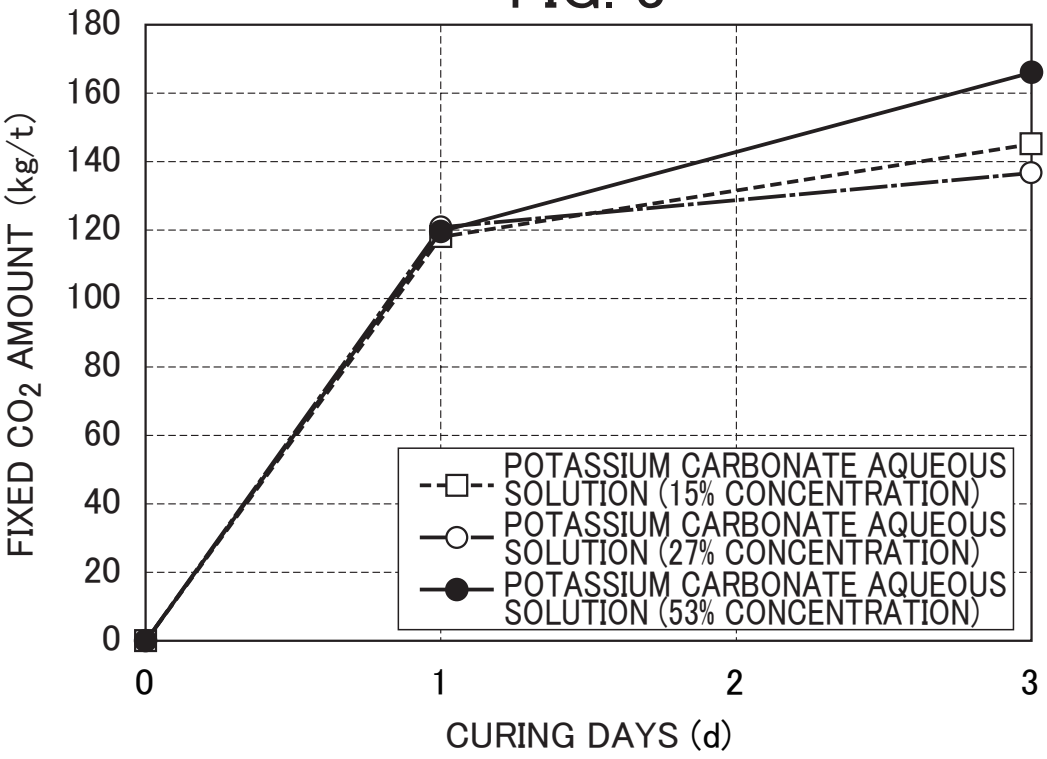

90
80
70
60
50
40
30
20
10
0
FIXED CO_2 AMOUNT (kg/t)
0
10
20
30
40
50
60
CONCENTRATION (%)

FIG. 3


180
160
140
120
100
80
60
40
20
0
FIXED CO_2 AMOUNT (kg/t)
0
1
2
3
CURING DAYS (d)
POTASSIUM CARBONATE AQUEOUS SOLUTION (15% CONCENTRATION)
POTASSIUM CARBONATE AQUEOUS SOLUTION (27% CONCENTRATION)
POTASSIUM CARBONATE AQUEOUS SOLUTION (53% CONCENTRATION)