CLAIMS

1. A cement composition having a Sr content of 0.065 mass% to 1.0 mass% and a MgO content of greater than 1.0 mass% to 3.0 mass%.

2. The cement composition according to claim 1, which has a free CaO content of 1.5 mass% or less.

3. The cement composition according to claim 1 or 2, which has a SO_3 content of 1.6 mass% to 2.6 mass%.

4. The cement composition according to any of claims 1 to 3, which has a C_3S content of 50 mass% to 70 mass%, a C_2S content of 5 mass% to 25 mass%, a C_3A content of 6 mass% to 15 mass% and a C_4AF content of 7 mass% to 15 mass%.

5. A process for producing a cement composition comprising:

a step (A) of adjusting the basic raw material units of raw materials selected from the group consisting of limestone, silica stone, coal ash, clay, blast furnace slag, soil generated by construction work, sewage sludge, hydrocake and iron sources so that the cement composition has a Sr content of 0.065 mass% to 1.0 mass% and a MgO content of greater than 1.0 mass% to 3.0 mass%, blending the adjusted raw materials and burning to produce cement clinker, and

a step (B) of mixing the cement clinker with gypsum and an admixture of limestone and blast furnace slag followed by grinding.

6. The process for producing a cement composition according to claim 5, wherein shells are used as a partial substitute for the limestone.

7. The process for producing a cement composition according to claim 5 or 6, wherein 700 kg to 1400 kg of limestone, 20 kg to 150 kg of silica stone, 0 kg to 300 kg of coal ash, 0 kg to 100 kg of clay, 0 kg to 100 kg of blast furnace slag, 10 kg to 150 kg of soil generated by construction work, 0 kg to 100 kg of sewage sludge, 0 kg to 100 kg of hydrocake and 30 kg to 80 kg of iron sources are blended per ton of cement clinker for use as the cement clinker raw materials in the step (A).

8. The process for producing a cement composition according to any of claims 5 to

7, wherein soil generated by construction work and coal ash are blended in the step (A) so that the mass ratio of soil generated by construction work to coal ash is 0.13 to 1.6.

9. The process for producing a cement composition according to any of claims 5 to 8, wherein the soil generated by construction work has a Sr content of 0.01 mass% to 1.0 mass%, and the coal ash has a Sr content of 0.02 mass% to 0.4 mass% in the step (A).

CLAIMS

1. A cement composition having a Sr content of 0.065 mass % to 1.0 mass % and a MgO content of greater than 1.0 mass % to 3.0 mass %.

2. The cement composition according to claim **1**, which has a free CaO content of 1.5 mass % or less.

3. The cement composition according to claim **1**, which has a SO_3 content of 1.6 mass % to 2.6 mass %.

4. The cement composition according to claim **1**, which has a C_3S content of 50 mass % to 70 mass %, a C_2S content of 5 mass % to 25 mass %, a C_3A content of 6 mass % to 15 mass % and a C_4AF content of 7 mass % to 15 mass %.

5. A process for producing a cement composition comprising:

a step (A) of adjusting the basic raw material units of raw materials selected from the group consisting of limestone, silica stone, coal ash, clay, blast furnace slag, soil generated by construction work, sewage sludge, hydrocake and iron sources so that the cement composition has a Sr content of 0.065 mass % to 1.0 mass % and a MgO content of greater than 1.0 mass % to 3.0 mass %, blending the adjusted raw materials and burning to produce cement clinker, and

a step (B) of mixing the cement clinker with gypsum and an admixture of limestone and blast furnace slag followed by grinding.

6. The process for producing a cement composition according to claim **5**, wherein shells are used as a partial substitute for the limestone.

7. The process for producing a cement composition according to claim **5**, wherein 700 kg to 1400 kg of limestone, 20 kg to 150 kg of silica stone, 0 kg to 300 kg of coal ash, 0 kg to 100 kg of clay, 0 kg to 100 kg of blast furnace slag, 10 kg to 150 kg of soil generated by construction work, 0 kg to 100 kg of sewage sludge, 0 kg to 100 kg of hydrocake and 30 kg to 80 kg of iron sources are blended per ton of cement clinker for use as the cement clinker raw materials in the step (A).

8. The process for producing a cement composition according to claim **5**, wherein soil generated by construction work and coal ash are blended in the step (A) so that the mass ratio of soil generated by construction work to coal ash is 0.13 to 1.6.

9. The process for producing a cement composition according to claim **5**, wherein the soil generated by construction work has a Sr content of 0.01 mass % to 1.0 mass %, and the coal ash has a Sr content of 0.02 mass % to 0.4 mass % in the step (A).

10. The cement composition according to claim **2**, which has a SO_3 content of 1.6 mass % to 2.6 mass %.

11. The cement composition according to claim **2**, which has a C_3S content of 50 mass % to 70 mass %, a C_2S content of 5 mass % to 25 mass %, a C_3A content of 6 mass % to 15 mass % and a C_4AF content of 7 mass % to 15 mass %.

12. The cement composition according to claim **3**, which has a C_3S content of 50 mass % to 70 mass %, a C_2S content of 5 mass % to 25 mass %, a C_3A content of 6 mass % to 15 mass % and a C_4AF content of 7 mass % to 15 mass %.

13. The cement composition according to claim **10**, which has a C_3S content of 50 mass % to 70 mass %, a C_2S content of 5 mass % to 25 mass %, a C_3A content of 6 mass % to 15 mass % and a C_4AF content of 7 mass % to 15 mass %.

14. The process for producing a cement composition according to claim **6**, wherein 700 kg to 1400 kg of limestone, 20 kg to 150 kg of silica stone, 0 kg to 300 kg of coal ash, 0 kg to 100 kg of clay, 0 kg to 100 kg of blast furnace slag, 10 kg

to 150 kg of soil generated by construction work, 0 kg to 100 kg of sewage sludge, 0 kg to 100 kg of hydrocake and 30 kg to 80 kg of iron sources are blended per ton of cement clinker for use as the cement clinker raw materials in the step (A).

15. The process for producing a cement composition according to claim **6**, wherein soil generated by construction work and coal ash are blended in the step (A) so that the mass ratio of soil generated by construction work to coal ash is 0.13 to 1.6.

16. The process for producing a cement composition according to claim **7**, wherein soil generated by construction work and coal ash are blended in the step (A) so that the mass ratio of soil generated by construction work to coal ash is 0.13 to 1.6.

17. The process for producing a cement composition according to claim **14**, wherein soil generated by construction work and coal ash are blended in the step (A) so that the mass ratio of soil generated by construction work to coal ash is 0.13 to 1.6.

18. The process for producing a cement composition according to claim **6**, wherein the soil generated by construction work has a Sr content of 0.01 mass % to 1.0 mass %, and the coal ash has a Sr content of 0.02 mass % to 0.4 mass % in the step (A).

19. The process for producing a cement composition according to claim **7**, wherein the soil generated by construction work has a Sr content of 0.01 mass % to 1.0 mass %, and the coal ash has a Sr content of 0.02 mass % to 0.4 mass % in the step (A).

20. The process for producing a cement composition according to claim **8**, wherein the soil generated by construction work has a Sr content of 0.01 mass % to 1.0 mass %, and the coal ash has a Sr content of 0.02 mass % to 0.4 mass % in the step (A).