

Description of subject product

1.Product concerned : Portland Cement 、 Portland Cement Clinker

2.Scope of Product concerned :

- (1) Portland Cement : It is a hydraulic cement that contains clinker (primarily composed of calcium silicates), no more than 7 percent calcium sulfate (gypsum), no more than 5 percent natural limestone, and no more than 5 percent inorganic processing additions (namely, water-quenched blast furnace slag, fly ash, or siliceous materials).
- (2) Portland Cement Clinker : It is an intermediate product in the production process of Portland cement, essentially composed of calcium silicates and containing the following chemical composition:
 - (a) Calcium oxide (CaO) : 57 to 72 percent, inclusive.
 - (b) Silicon dioxide (SiO₂) : 15 to 28 percent, inclusive.
 - (c) Aluminum oxide (Al₂O₃) : 1 to 11 percent, inclusive.
 - (d) Ferric oxide (Fe₂O₃) : 1 to 11 percent, inclusive.
- (3) The Portland Cement having any of the following characteristics is outside of, and/or specifically excluded from, the scope of this investigation :
 - (a) The ferric oxide (Fe₂O₃) content is less than or equal to 0.5 percent.
 - (b) Addition of white or other colored dyes.
 - (c) The 3-day compressive strength is greater than or equal to 24 MPa (245 kgf/cm²), and the tricalcium aluminate (C₃A) content is greater than or equal to 12 percent.
 - (d) The 3-day heat of hydration is less than or equal to 200 kJ/kg (50 cal/g).
 - (e) The sulfur trioxide (SO₃) content is less than or equal to 2.3 percent, and the sulfate expansion at 14 days is less than or equal to 0.04 percent.
 - (f) Air-entraining Addition.