Claims

[Claim 1] A fly ash, which has an ignition loss of from 5.0 mass% to 20 mass% and a ratio of a BET specific surface area (unit: m^2/g)/the ignition loss (unit: mass%) of from 0.01 to 0.20.

[Claim 2] The fly ash according to claim 1, wherein the fly ash has a Blaine specific surface area of from 2,000 cm^2/g to 5,000 cm^2/g.

[Claim 3] The fly ash according to claim 1 or 2, wherein the fly ash has a content ratio of SiO_2 of 40 mass% or more and a content ratio of Al_2O_3 of from 16 mass% to 30 mass%.

[Claim 4] A cement composition, comprising the fly ash of any one of claims 1 to 3 and Portland cement, wherein the cement composition has a ratio of the fly ash of from 1 mass% to 40 mass% with respect to a total amount (100 mass%) of the fly ash and the Portland cement.

[Claim 5] The cement composition according to claim 4, further comprising one or more kinds of powders selected from the group consisting of limestone powder, ground granulated blast-furnace slag, and natural pozzolan powder.

[Claim 6] A method of selecting the fly ash of any one of claims 1 to 3, the method comprising the steps of:

preparing one or more kinds of fly ashes;

measuring an ignition loss and a BET specific surface area of each of the one or more kinds of fly ashes;

calculating, based on the ignition loss and the BET specific surface area obtained in the measuring step, a ratio of the BET specific surface area (unit: m^2/g)/the ignition loss (unit: mass%) of each of the one or more kinds of fly ashes; and

selecting, based on the ignition loss obtained in the measuring step and the ratio obtained in the calculating step, a fly ash having an ignition loss of from 5.0 mass% to 20 mass% and a ratio of the BET specific surface area/the ignition loss of from 0.01 to 0.20, from the one or more kinds of fly ashes.