ABSTRACT

Provided are a mineral admixture for concrete and a production method thereof, and concrete containing the mineral admixture and a production method thereof, the mineral admixture eliminating the need for a dedicated facility for fixing carbon dioxide.

The mineral admixture is produced by reacting a by-product obtained in a step of producing quicklime with water and carbon dioxide and contains 35% by mass or less of calcium. The production method of the mineral admixture includes a first step of providing, as a raw material, a by-product obtained in a step of producing quicklime, and reacting the raw material with water, and a second step of reacting a product thus obtained by the first step with carbon dioxide.

[Fig. 4]