

Research regarding the application technology of environment burden reduction typed cement made of city comprehensive waste, to construction projects.

[Point]

We examined applicability of eco-cement made of full of city waste, such as city waste incineration ash and sewage sludge to concrete for civil engineering structures. The freshness quality, strengthen characteristics, durability, safety, and constructiveness of the concrete made from normal eco-cement, which chloride ion content amount is reduced as 0.05%, have the same characteristics as Portland cement. As the result of the test construction in several places of Tokyo and Chiba Prefectures, we verified possibility of construction in usual method of general ready mixed concrete and product factories. For these reasons, we decided that the normal eco-cement can use as reinforced concrete material.

Keyword : city waste incineration ash, eco-cement, normal eco-cement, concrete