

研究課題名 = 「Development of The Blended Cement Made from Ashes of Various Wastes in Consideration of Environmental Influences」

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- ・ 要旨 (200 語程度) = This study is to develop the blended cement which can be manufactured only by mixing and pulverizing bottom ash in the garbage incinerator, coal ash, plaster split off from used plasterboard, portland cement, the incinerated brain or spinal cord of cattle and pozzolanic material such as fragments of pottery. The blended cement hardens as a result of hydration: the chemical reaction between cement and water, shapes highly strong concrete. Its strength is greater than that of standard strength of concrete products. The ocean exposure test for a year on specimens made from this blended cement in the marine environment (ebb and flow part, and marine atmosphere part) resulted that this specimens had the high quality durability. And, the shrinkage test on this specimens expressed the ratio as same as ordinary concrete.

- ・ キーワード (5 語以内) = 焼却灰、混合セメント、暴露試験、収縮率○○○、○○○○○