

CERCS FLY ASH USE IN CONCRETE

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ABSTRACT

More than twenty different types of concrete was made in Barcelona, Spain to evaluate the performance of high-lime fly ash from the Cerc Power Plant (CPP) near Barcelona. The concrete was not made in a laboratory; but, it was made at a ready mixed concrete plant.

Cylinders were tested for modulus of elasticity, compressive strength, and Brazillian (splitting tensile) strength. Test ages varied from 7 days to 365 days. Time of set tests for all concretes were also performed. This extensive first time research for the Cercs fly ash helped draw reliable conclusions for the performance of the Cercs fly ash in high-quality concrete.