

Characterization And Classification Of Fly Ash Obtained From Coal- Fired Thermal Power Plants in Turkey

In the project, fly ashes obtained from coal- fired thermal power plants in Turkey have been studied. In the scope of this work, 17 fly ash from 9 thermal power plants were examined.

- *Afşin-Elbistan B*
- *Çatalağzı*
- *İçdaş Biga*
- *Kemerköy*
- *Seyitömer*
- *Soma*
- *Tunçbilek*
- *Yatağan*
- *Yeniköy*

Mixture samples were prepared from fly ashes collected on different days from the power plants and also a finer mixture sample were prepared by using 125 μm sieve. The results were evaluated in two different approach with respect to the standards.

In the project, the physical, chemical, mineralogical and microscopic characteristics of ashes and heavy metal contents were determined and the performance results of binary systems containing fly ash and Portland cement were compiled. Fly ashes will be evaluated according to the results of the heat of hydration, heavy metal results and activity index calculated from the results of compressive strength tests.

