

California Academy of Sciences

case study
By Emily Rosa

San Francisco, CA



Architect: Renzo Piano

Owner: California Academy of Sciences

Year of completion: 2008

Climate: Mediterranean Climate

Material of interest: Concrete

Application: Exterior

Properties of material: All concrete contains 30% fly ash, a by-product of coal-fired power plants. It also contains 20% slag, a waste product from metal smelting. These industrial by-products would otherwise be destined for a landfill. The use of locally extracted aggregates for the concrete mix is a major contributing factor in the quest for a LEED platinum rating.

Sources:

<http://www.archdaily.com/6810/california-academy-of-sciences-renzo-piano/>

http://www.cement.org/buildings/buildings_cultural_CAS.asp

<http://www.timgriffith.com/index.php#mi=2&pt=1&pi=10000&s=1&p=2&a=0&at=0>