Greening of Mortars with Pozzolans

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ABSTRACT:

Growing interest in sustainable building has created a strong interest in fly ash and other coal combustion products (CCPs). Emergence of agencies like the U.S. Green Building Council (USGBC) and the Coal Combustion Products Partnership (C2P2) of the USEPA has accelerated this trend. Their primary goal is sustainable development, focusing on environmental and social concerns.

More than 30% of the 100 million tons of coal combustion products produced in the U.S. annually are being beneficially used in such things as manufactured stone, ceramic tile, shingles, concrete, aerated cellular concrete blocks, concrete blocks, stuccos, and mortars. The use of CCPs positively impacts the environment.

Specifiers, contractors, and industry need to recognize that environmental stewardship today affects our children tomorrow. The features and benefits recognized in pozzolanic mortars reach beyond the technical, environmental, social, and sustainable aspects of this mortar. They signal future generations to track, improve, and develop mortars beyond any of our current technology.

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