



Calcined Clay: The Old & The New



- In 1930s calcined shale was used in Golden Gate Bridge and Bay Bridge Projects
- In 1997, Ash Grove patented Duracem® cementitious product, by inter-grinding a calcined highgrade kaolin with clinker and optimized gypsum content
- In 2000s, Class F fly ash was abundant in the market at a low cost, achieving similar product performances as Duracem®. Our cementitious product switched to fly ash
- Between 2010 and May 2019, 290 coal-fired power plants have been shutdown or converted to natural gas
- Fly ash is less available and costly, calcined clay came back to Ash Grove discussion in 2017

GRH

Clay: Availability vs. Suitability

Low-grade, locally sourced clay when properly calcined delivers excellent strength and durability performances



















