

High Temperature Properties of Shotcreted Low Cement Castables

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Abstract

Refractory gunning is very common method especially in construction and hot/cold repair applications. Conventional dry gunning has high application areas because of the easy installation and low labor cost. Shotcreting (concrete gunning, spray cast) methods have high potential to overcome low erosion resistance of conventional dry gunning methods. In this work, the physical, mechanical and abrasion erosion properties of gunning materials produced by dry and wet gunning method were investigated at high temperatures.

Keywords: Shotcrete, Dry Gunning, Blast abrasion, Low cement castable.

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