

ABSTRACT

CALCIUM ALUMINATE MORTAR FOR USE IN A SHOTCRETE DRY PROCESS

APPLICANT

LAFARGE ALUMINATES

INVENTION OF :

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Mortar comprising a calcium aluminate binder, comprising about 40 % to about 45 % by weight alumina and an aggregate of an appropriate selected particle size, characterised in that said aggregate is a calcium aluminate aggregate comprising a first aggregate portion a1, having a grain size of from about 1.4 mm to about 2.8 mm and a second aggregate portion a2, having a grain size smaller than about 1.4 mm, in a a1:a2 ratio of about 2.5 :1 ; concrete prepared therefrom and use thereof in a shotcrete dry process for the rehabilitation by lining/relining of sewerage and drainage systems, pipes, manholes, and associated structures.