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cement paste. Frontiers | Effect of Tuff Powder Mineral Admixture on the ... Aerated concrete is a kind of cement-based materials. The internal pore structure of aerated concrete blocks is complex in shape, large in number, and complex in pore connectivity. Furthermore, the pores and microcracks in the cement concretes could cause the deterioration of the structures. Experimental Study on Pore Characteristics and Fractal ... Pore structure is one of the most important parameters, which determines the properties of cement-based materials. Pore structure is generally characterized by total porosity and pore size distribution (PSD). Experimental Investigation on Pore Structure ... Pore types and structure in shales have a

significant impact on shale gas accumulation and shale reservoir quality. Based on data from the Wufeng-Longmaxi formation, this paper presents an in-depth investigation of pore types and structure in shales, including a detailed analysis of pore features and controlling factors of pore development. During this study, the researchers used eight testing ... The pore structure (i.e. total pore volume, surface area and pore-size distribution curves) was measured using mercury porosimetry and nitrogen sorption. Hydrated portland cement (type I) of water-cement (w/c) ratios 0.3, 0.4 and 0.6 by weight was analyzed at three degrees of hydration (i.e., 30%, 50% and 80%; 70% for the 0.3 w/c system) corresponding to low,

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