

Effect of Raw Materials on Ceramic Structures Used for Production of Vitrified Ceramics

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Ceramics are used in many various areas in our lives from past to present, ceramics become the indispensable material of vitrified. The main subject of this study is based on two principles, keeping up with competitive market and improvability of single technology producibility and applicability of thinner wall thickness without changing production method and strength values. There are some parameters effecting on wall thickness and mechanical properties of ceramic like raw materials, grain size mold shape, production method, additives used and time effects in this experimental study, we produced ceramic body with additive of spodumene which is ground under 200 mesh grain size. We determined effect of spodumene on wall thickness and strength values after some experiments.

Key Words: Vitrified ceramics, raw materials, wall thickness, spodumene, additives.