Abstract:

Shotcrete is a concrete spraying of concrete or mortar that may be accomplished through either a dry- or wet-mix process. It is made of normalweight aggregates will have a density of approximately 2323 kg/m³.

For the most part, shotcrete is used in underground excavations in rock and repair work in constructions. In this study, linear attenuation coefficient (μ cm⁻¹) was measured for Shotcrete produced with dry mix process. Measurements were carried out by gamma spectrometry containing NaI (TI) detector and Multichannel Analyzer (MCA).

Keywords: Shotcrete, Linear Attenuation Coefficient, Concrete, Gamma Spectrometry