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 normal weight aggregates which have a density of approximately 2323 kg/m(3). For the most part, shotcrete is used in underground excavations in rock and repair work in constructions. In this study, linear attenuation coefficient (\(\mu, \text{cm}^{-1}\)) was measured for shotcrete produced with dry mix process. Measurements were carried out by gamma spectrometry containing NaI(Tl) detector and multichannel analyzer.