

FLEXURAL STRENGTH AND ULTRASONIC PULSE VELOCITY OF WADE SAND-LIME-CEMENT-PHOSPHOGYPSUM BUILDING BRICK GRADE MW

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ABSTRACT

The present work focuses on the flexural strength and ultrasonic pulse velocity of wade sand –lime-cement-phosphogypsum building bricks grade MW. It is observed that these bricks have sufficient flexural strength and Ultrasonic pulse velocity Tests were also conducted to study the relationship between ultrasound pulse velocity (UPV) with strength of bricks.. The results suggest that compressive and flexural strength values may approximately be determined without a destructive testing by using the non-destructive UPV measurements.

KEYWORDS: Bricks, Flexural Strength, Ultrasonic Pulse Velocity