

Flexural Bond Strength of Clay Brick Masonry

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Abstract:

Data from more than 500 sets of clay brick masonry bond wrench tests have been compiled to investigate relationships between the flexural bond strength of masonry and the physical characteristics of the brick and mortar. Materials from throughout the U.S. and Canada were included in the investigation. The flexural bond strength data exhibited large amounts of scatter and appeared to be independent of the initial rate of absorption of the brick, the compressive strength of the mortar, and the mortar flow.

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