

Experimental Investigation on Flexure Shear Test for Slit Porcelain Panel Cladding with Kerf Connection

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ABSTRACT

Flexure shear test was performed to investigate the strength capacity of dimension porcelain cladding and its kerf connection using universal testing machine. The test parameters included use of infilled material in slit and change of location of kerf connection which affects to the strength capacity of cladding system. This test verified panel thickness which is not applied in current design code. The test results showed that the peak strength was estimated by a finite element analysis prediction. On the basis of the flexure shear test, application of the current design code for slit porcelain panel was

verified

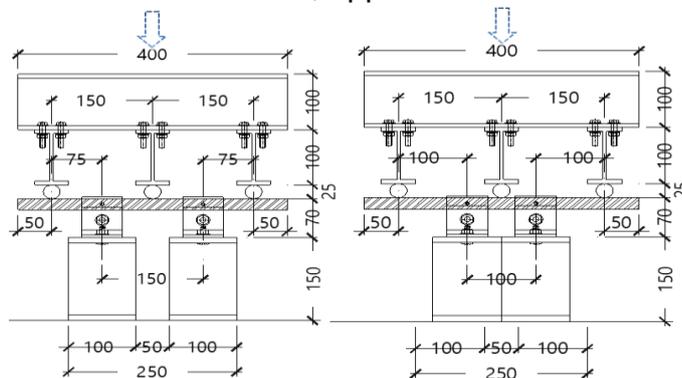


Fig. 1 Direct Shear Test Model Dimension and Test Setup

REFERENCES

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