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JVI Mini-V Connector in 2” Concrete Slabs

Report on the Test Results

by

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TEST RESULTS

Table 1 gives results (Cracking Load, Failure Load and the Primary Failure Mechanism). Note: Test No.21 was an added test on a 2” thick concrete slab with mini-V Connector. The specimen was a left-over from a previous set of tests.

Load-Displacement curves for the 21 tests are given in Appendix A.

ACKNOWLEDGEMENT

The Flange Connector is a very important product for the Precast/Prestressed Concrete Industry. JVI’s effort at developing design information on the Vector Connector is applauded.

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TABLE 1 – Test Results

	Test Number	Slab Description*	Cracking Load (lb)	Maximum Load (lb)	Failure Mechanism
Vertical Shear	Test 21***	J-J-R	2,937	3,703	spalling of bottom surface

* Slab Description Key: X-Y-Z

X: Connector Steel Type (J=J-Coat, S=304L)

Y: Slug Steel Type (J=J-Coat, S=304L)

Z: Slug Type (R=Round, P=Plate)

** Weld on Top of Slug Only

*** Test 21 performed on a 2" Slab

Test 21 - Vertical Shear- 2-inch slab - J-J-R

