

Client:	International Chem-Crete Co.	CTLGroup Proj. No.:	391241
Project:	Product Evaluation	CTLGroup Proj. Mgr.:	Joni Jones
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Test Location:	n/a	Approved:	J. L. Jones
Date Tested:	March 20, 2015	Date:	March 29, 2015

ASTM C1583 - Bond Strength or Tensile Strength of Overlay Materials by Direct Tension
1-DAY RESULTS

Sample I.D.	Product	Age (days)	Tensile Bond Strength, psi	Failure Mode	Average tensile bond strength, psi (Rounded to the nearest psi)	Std deviation tensile bond strength, psi
1	PaviX 100	n/a	422	D	306	101
2			238	D		
3			259	D		

Note: The maximum pressure the Germann Bond Test Instrument, s/n 50215 can apply to the system is 1,872 psi.
 The bond strength (or tensile strength) in PSI is calculated as the actual pullforce in Newtons divided by the pulling area of 1963 mm² (for a 50mm core diameter) and multiplying by 145.

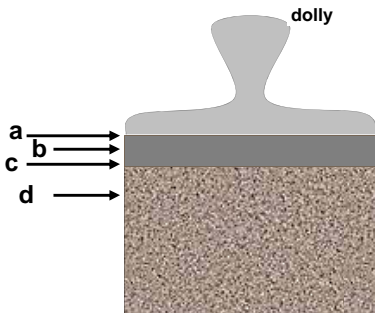


Figure A

Key for plane of failure (failure mode)

- a. Adhesive failure at PaviX 100 and epoxy ("5-minute epoxy") interface to dolly
- b. Cohesive failure within PaviX 100
- c. Adhesive failure between PaviX 100 and Concrete
- d. Cohesive failure within concrete

Notes:

1. Purpose: To determine the controlling failure mode and corresponding strength when an *overlay material* is bonded to the substrate. As requested, testing was performed on a concrete substrate with a penetrating sealer applied at 175 ft²/gal.
2. Tests performed in accordance with ASTM C1583 using Germann Bond Test Instrument, s/n 50215 calibration March 31, 2014.
3. Test Conditions: temperature 73°F and relative humidity 50%.
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