



**ASTM D 4541  
ADHESION STRENGTH  
PERFORMANCE TEST REPORT**

**Rendered to:**

**BAUTEX SYSTEMS**

**PRODUCT: Bautex AMB 20-WP  
Liquid Applied Membrane**

**Report No: A0760.12-106-31  
Report Date: 08/30/13  
Report Retention Date: 07/23/14**

**ASTM D 4541 ADHESION STRENGTH PERFORMANCE TEST REPORT**

Rendered to:

BAUTEX SYSTEMS  
5602 Central Texas Drive  
San Marcos, Texas 78666

Report No: A0760.12-106-31  
Test Dates: 05/12/10  
Through: 07/23/10  
Report Date: 08/30/13  
Report Retention Date: 07/23/14

**Product:** Bautex Systems AMB 20-WP Liquid Applied Membrane

**Project Summary:** Architectural Testing, Inc. was contracted by TK Products to evaluate adhesion properties of TK Products' TK AirMax 2104 Liquid Applied Membrane. The test method, test procedure and test results are reported herein. This test report is a reissue of the original report A0760.05-106-31. This report is issued in the name of Bautex Systems through written authorization of TK Products. The average results from testing are presented in the chart below.

**Bautex AMB 20-WP Liquid Applied Membrane at 17 mil Dry Thickness**

Parameter	Test Result
Tensile Stress at Maximum Load - Concrete Substrate	140.7 psi

**Product Description:** The liquid applied membrane was provided directly to Architectural Testing in a 5 gallon pail. The pail was labeled with batch number LM12023, and the coating was colored dark grey. The Bautex AMB 20-WP product is a water borne elastomeric barrier membrane coating.

All test specimens were prepared by an Architectural Testing representative at 14 mil dry thickness, as specified by the client. The coating was applied to a concrete masonry unit substrate at the correct thickness using shims and a drawdown technique. Coating application was done in three layers with 24 hours of cure between coatings. All test specimens prepared were subjected to a final cured at standard laboratory conditions for a period of at least one week before testing.

**Test Methods:** The test specimens were evaluated in accordance with the following methods:

ASTM D 4541-09, *Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers.*

ASTM D 7234-05, *Standard Test Method for Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers.*

Testing was performed on a calibrated Instron 3369 universal tester (005740) using a 2kN load cell (005742).

**Test Results:** The following results were recorded:

**Pull-Off Strength**

**Bautex AMB 20-WP Liquid Applied Membrane at 17 mil Dry Thickness**

<b>Test Specimen</b>	<b>Maximum Load (lbs)</b>	<b>Tensile Stress at Maximum Load (psi)</b>	<b>Comments</b>
<b>1</b>	169.02	169.0	100% failure at the coating/substrate interface
<b>2</b>	129.05	129.0	100% failure at the coating/substrate interface
<b>3</b>	133.74	133.7	100% failure at the coating/substrate interface
<b>4</b>	122.67	122.7	100% failure at the coating/substrate interface
<b>5</b>	148.94	148.9	80% failure at the coating/substrate interface
<b>Average</b>	<b>140.68</b>	<b>140.7</b>	

The test report is issued in the name of Bautex Systems through written authorization of TK Products to whom the original report was rendered. The original TK Products Report No. is A0760.05-106-31.

Data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period such materials shall be discarded without notice and the service life of this report by Architectural Testing, Inc. will expire. Results obtained are tested values and were secured by using the designed test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimens tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.:

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Joseph M. Brickner - Laboratory Supervisor  
Components / Materials Testing

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Gary Hartman, P.E. - Director  
Components / Materials Testing

JMB:nlh

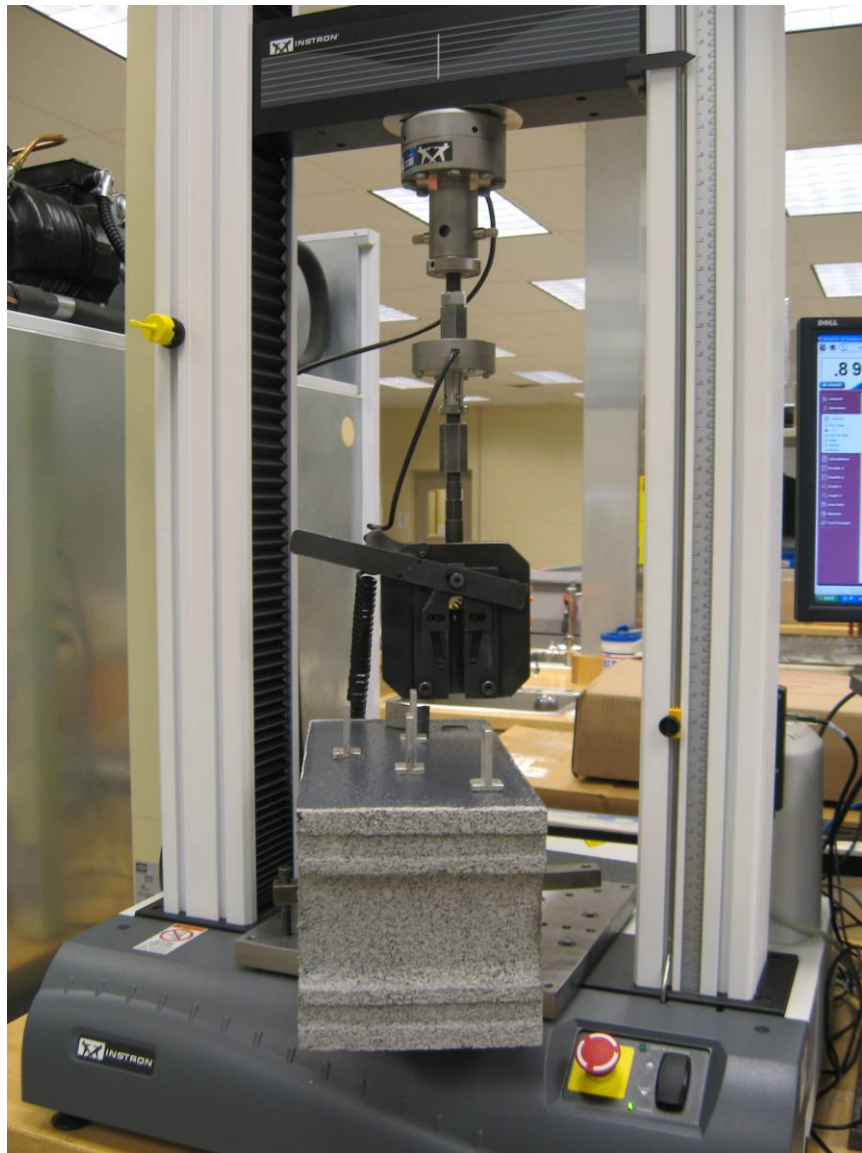
Attachments (pages)      This report is complete only when all attachments listed are included.  
Appendix A - Photographs (3)

### Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	08/30/13	N/A	Original report issue.

**APPENDIX A**

**Photographs**



**Photo No. 1**  
**Pull-Off Strength Test Set Up**



**Photo No. 2**  
**Pull-Off Strength - CMU Substrate**  
**Typical Condition After Testing**





**Photo No. 3**  
**Pull-Off Strength - CMU Substrate**  
**All Results**