

Certificate of Analysis

Adhesion (Direct Pull)

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| Product Name | Elastuff 310 |
| Batch Number | Part A: 97881, Part B: 97880 |
| Manufacture Date | 21 May 04 |
| Test Date | 18 Aug 04 |
| Application/Date | 10 June 04 / 160° F. material temperature at 3000 psi pump pressure |
| Test Method | ASTM D-4541 Pull Off Strength of Coatings Using Portable Adhesion Tester |
| Test Conditions | As per ASTM standard. Any deviation reported at end of certificate. |

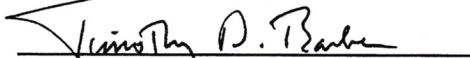
This certificate confirms that the above product was tested as per stated standard specification using calibrated equipment and qualified staff. The following test results were obtained.

Test Results

| Substrate | Condition | Specimens | MPa | PSI | Primary MOF |
|-----------|-----------|-----------|-----|-----|--------------------------|
| Steel | Dry | 4 | 6.5 | 940 | Adhesive Coating Failure |

| Test conditions (if different from standard test conditions) and/or notes. |
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| Specimens prepared by securing aluminum dollies with epoxy to coated steel substrate. Aluminum dollies: Diameter = 0.788", Area = 0.487" Measuring the force of separation from the substrate (pull-off strength) performed using DeFelsko PosiTest (model A) portable adhesion tester. (lbs / in ²) Temperature and Humidity: 25.9° C / 24.0% RH |

Results witnessed and verified by a technical representative of GeoEngineers, Inc.


 Reviewed by:
 Timothy D. Barber