Basics of Conducting Adhesion Testing

We recommend the following method for testing the suitability of an existing wall surface for the adhesive application of a Pebbletex Wall System and Finestone Stucco Resurfacing System. First prepare test areas on the building so that tests are conducted on a variety of typical surfaces. On large projects there should be one test area for each 1000 square foot of wall surface. All projects should have a minimum one test area per elevation. Prepare these areas by pressure washing or cleaning with a brush and water.

Test blocks are provided by Finestone and are nominally 3 inch squares. The test blocks are mounted onto the wall using the same Finestone adhesive that will be used on the project. They must be allowed to cure on the wall for a minimum of three days prior to the actual "pull test".

We recommend a Comten Model 301 portable pull tester be used in a method shown in the following illustrations. The tensile strength of the EPS insulation board is specified to be a nominal 15 psi and each test block is a 9 inch surface. Therefore the minimum test reading should be 135 pounds without adhesive failure.

1. Mount test blocks to various cleaned sections of the wall at various heights, using the Finestone adhesive that will be used on the project.

2. Photo of a typical pull tester - Comten Model 301
Basics of Conducting Adhesion Testing

3. Position the pull tester over the test block and line up washer on test block with fitting on pull shaft of equipment.

4. Gauge face, prior to applying pull force.

5. Beginning to apply pull to test block.
6. Gauge face, while applying pull to test block

7. Close up of shaft end hooking around test block washer and nut

8. Fracture in EPS indicates an adequate bond between EPS adhesive and wall. (At a minimum 135 pound test reading)
Note
BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC, herein after referred to as “BASF Wall Systems”.

Residential Policy
Apply walls systems in accordance with local building codes in force at the time of construction. On one and two-family residential framed construction, BASF Wall Systems requires that the wall system selected be one that includes provisions for moisture drainage. Please view the Finestone Residential Policy Bulletin on the Finestone website for a more detailed discussion of this topic.

Disclaimer
This information and all further technical advice are based on BASF Wall Systems’ present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF Wall Systems disclaims any and all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF WALL SYSTEMS SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF Wall Systems reserves the right to make any changes according to technological progress or further developments. It is the customer’s responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.