

Simple Method for Testing Adhesive Bond over Painted Surfaces

Technical Bulletin

When EIFS are to be installed over a painted wall, it is essential to first test the adhesive to be used for its ability to bond to the paint and to confirm that the paint is bonded to the wall. The test method shown in this bulletin does not replace the quantifiable adhesion test method achievable by using a tensile tester and test blocks. This method will simply give you a quick evaluation when a quantifiable number is not required. Conduct tests on the typical surfaces of the building. All projects should have a minimum of one test per elevation and condition. Prepare the test areas by pressure washing or cleaning with brush and water.



Step 1

- Brush apply BASF WB Surface Stabilizer onto a small area (at least 1 sq. ft.) where the adhesion testing will be performed.
- The WB Surface Stabilizer must be allowed to dry, but not in excess of 24 hours.
- Protect the WB Surface Stabilizer from rain and do not allow to freeze.

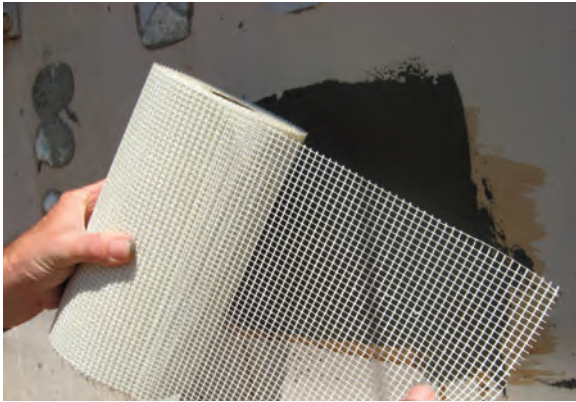
Note: In some cases the test may be performed without WB Surface Stabilizer. In other cases, performing two tests - one with WB Surface Stabilizer and one without WB Surface Stabilizer should be performed to determine if WB Surface Stabilizer is required.



Step 2

- When the WB Surface Stabilizer has dried, trowel apply the mixed BASF Adhesive product over the prepared areas to a thickness to receive a strip of Reinforcing Mesh - approximately 1/8".

Simple Adhesion Testing Method



Step 3

- Use either BASF Wall Systems Detail Mesh or cut a piece of 4 ounce BASF Wall Systems Reinforcing Mesh from a roll.



Step 4

- Cut a piece of Reinforcing Mesh about 3 to 4 inches longer than the area where you applied the Adhesive.



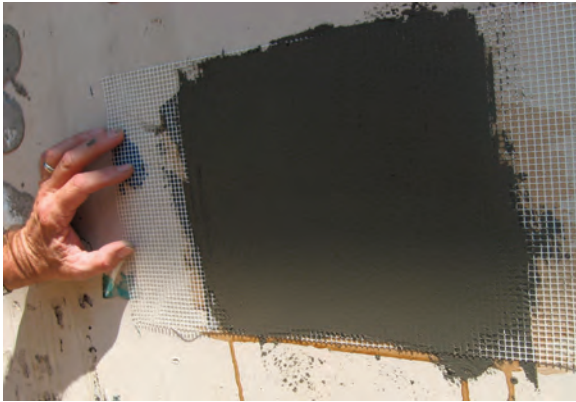
Step 5

- Trowel apply the Reinforcing Mesh into the wet Adhesive.



Step 6

- Ensure the Reinforcing Mesh is fully embedded into the Adhesive.



Step 7

- Protect this test patch from rain or freezing conditions.



Step 8

- Wait a minimum of 48 hours to make sure the adhesive has dried thoroughly.



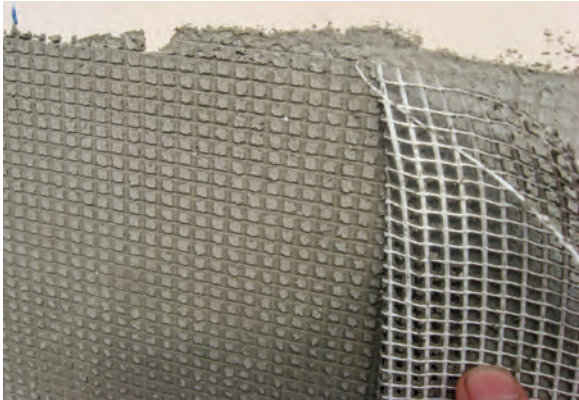
Step 9

- Once the Adhesive has thoroughly dried, grab one loose end of the Reinforcing Mesh.



Step 10

- Pull the Reinforcing Mesh straight out away from the wall



Step 11

- If the Reinforcing Mesh pulls through the patch and all the Adhesive stays adhered to the primed/tested surface, the bond of the Adhesive to the paint and paint to the wall is good.
- If the Adhesive pulls away from the underlying substrate, the paint must be removed or an alternate adhesion method will be required.



Step 12

- This photo illustrates excellent adhesion utilizing the WB Surface Stabilizer and Adhesive to the painted surface.
- Results must be interpreted on site to determine acceptability of adhesion.

Note

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