

3M Adhesion Test Kit for SMOOTH Walls

This test is designed to show initial adhesion capability measured in grams, of the film you plan to use when the wall is cleaned according to 3M's recommendations and the film is applied to a fairly smooth indoor wall surface.

This test cannot detect problems with pre-existing variations in the wall or poor paint-to-wall bond. Such problems may result in poor film adhesion as well as wall damage upon attempted removal of the film. 3M is not responsible for the results of film installed on walls.

NOTE: Removal of any film from a painted wallboard wall always has a risk of pulling paint off the wall or even damaging the wall.

Test Conditions

- Perform the adhesion tests in an inconspicuous area of the same wall on which you will be applying the actual job.
- If you will be applying film to more than one wall, perform the tests on each wall.

NOTE: For each film being considered you will be testing THREE samples of the same film on the same wall and comparing results.

Prepare the Film Test Strips

1. Cut three, 1 in x 10 in (2.5 cm x 25 cm) strips of each film you plan to test on a given wall.
2. Mark the film name or number on each test strip.
3. Remove about 2 inches (5cm) of liner and fold over the film, adhesive to adhesive, to make a tab.
4. Punch a hole in the tab.



Cleaning Procedure

1. Prepare a cleaning solution with 70% Isopropyl Alcohol (IPA) and 30% water in a spray bottle.
2. Soak a clean, lint-free cloth with the cleaning solution until it is dripping wet.
3. Clean the test area with overlapping strokes. You may notice some migrated paint particles on the cloth.
4. Repeat steps 2-3 again with a new clean, lint-free cloth. Wait at least 10 minutes for the wall to dry.



See 3M Instruction Bulletin 5.37 at 3MGraphics.com/TechInfo for full details.



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Film Adhesion Test Procedure

1. Adhere the film strip (punched hold at the top) to the cleaned wall.
2. Moving up and down, use the RBA-1 rivet brush, to apply firm pressure and a circular motion to go over the strip three times.
3. Tape the Measured Reference Guide next to the film strip you are testing.
4. Wait 15 minutes to allow adhesion to build.
5. Make sure the scale is zeroed out.
6. After 15 minutes, slide the scale's S hook through the punched hole in the film strip.
7. Hold the scale in your palm, keeping it as straight as possible but without any portion of the scale or your hand contacting the wall during the test.
8. Pull the scale downward at a steady rate of about 1 inch (2.5 cm) in 5 seconds, using the Measured Reference Guide lines as a guide. Once you start pulling, DO NOT stop until the film is fully released from the wall.
9. As you pull down on the scale, observe the release characteristics and the grams/inch that register on the scale.
10. Repeat steps 1-9 for each test strip. Average the results between the three strips. Consult the table below for the adhesion recommendation.



Scale Value	Release Characteristics	Recommendation
Less than 300 grams/inch	Removes easily; little or no resistance	Unacceptable adhesion; do not use this film
300-1000 grams/inch	Smooth, consistent release; no jerkiness, but more difficult to release	Acceptable adhesion, may be removable with heat/chemicals; removal may cause wall damage
Greater than 1000 grams/inch	Smooth consistent release; no jerkiness, but substantial resistance to releasing	Excellent adhesion; removal will cause wall damage

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