

Adhesion (Room Temperature)
Test No. TP05

I. Scope

This test procedure evaluates the adhesion of the paint/polymer system to the substrate used for the TextureFoam system.

II. Materials and Equipment

- a. Cutting tool, (Gardner PA – 2000 or equal) with six teeth and 2.0mm blade.
- b. TextureFoam production coated parts with barrier coat and top coat.
- c. Scotch cellophane tape # 600 1" wide.
- d. Kleenex or equal.
- e. Rubber eraser on the end of a pencil.

III. Procedure

- a. Age finished parts for 1 week at room temperature (77 degrees F)
- b. Make two cuts with cutting tool at right angles to each other, approximately 1.5 inches long on each test part to be evaluated. The second cut should be made on top of the first cut forming 25 small squares. When cutting, cut through the film to the substrate in one steady motion.
- c. Brush the test area lightly with a Kleenex to remove any detached pieces or ribbons of coating.
- d. Press the center of about 3 inch long tape over the cross hatched area at about 45 degree angle.
- e. Rub the tape with the pencil eraser to make sure the tape to painted film has total contact.
- f. Within one minute, remove the tape with a rapid pull (not jerked) back upon itself as close to a 180 degree angle as possible.
- g. Visually inspect the test specimen without magnification and compare results to the adhesion guide, see Figure 1.