



Bond Strength Test Kit, Instructions for use

Revision Date 4/27/2020

ElectraGuard Bond Strength Test Kit Installation Instructions

[Click here to buy our bond strength test kit online](#)

Thank you for your assistance in running this brief test. This test will help evaluate the bond strength of The ElectraGuard "paint on" epoxy in combination with your existing substrate. We've included the necessary tools needed to apply the material. Please feel free to contact us with any questions. We are available to you 24/7 on our Technical support hotline at 719-676-3928 (option 8).

1) Lightly abrade the top surface of substrate to be coated using the enclosed sandpaper. An area of 2' x 2' or larger is recommended. Sweep or vacuum up the dust or wipe clean with paper towel. Mask the area if desired. Put on the enclosed gloves. Safety glasses are recommended.

- Please note: If the small container of catalyst appears white and cloudy immerse in hot water for ½ hour prior to use (it will change from cloudy to clear).

2) Remove the lid from the quart container of the ElectraGuard base. Remove the lid from the small premeasured container of catalyst. Slowly pour the entire contents of the Catalyst into the Base. **Thoroughly blend catalyst and base with the enclosed stir stick.** Note: Solids may pack firmly in the bottom of the sample containers. **Your sample must be blended thoroughly prior to application with NO solids remaining in the bottom of the container.** Stirring the sample containers with a variable speed electric drill equipped with a paint stirring attachment may be required.

3) Allow the container to stand for 5 minutes. Pour a small amount of the catalyzed ElectraGuard on the area to be coated and roll with the enclosed paint roller. The goal is to apply the coating as thin and as smoothly as possible.

4) Replace the lid on the container of ElectraGuard and allow the first coat to dry for approximately 1 hour (dry to the touch). The use of a fan will help dry the area faster. When dry, lightly agitate the sample container, remove the lid and pour another small amount onto the sample area, roll in place. Replace the lid on the container of ElectraGuard and discard in an approved manor. Allow the coating to dry for at least 24 hours (the product gains its maximum adhesion after 3 days).

5) Using the enclosed foam brush apply 1 thin even coat of ElectraThane. When dry apply a 2nd coat. When dry apply a final coat of ElectraGlaze ESD Floor Finish. A fan may be used to dry the mock-up. Do not allow it to blow directly on the coatings.

6) Test bond strength as follows: With a razor knife etch a 1" x 1" "tic-tac-toe" pattern on the epoxy. Cover this pattern with standard masking tape, wait 2 minutes and quickly pull the masking tape from this pattern. Observe the tape. When a good bond is achieved minimal paint will be removed with the tape. [Short Video](#).

- Note: If the bond is weak mechanical abrasion by [diamond grinding to an SP2 profile](#) or [DiamaBrushing](#) is required. Please contact United for further details at 719 676 3928 (option 8 for 24/7 tech support).

7) Test electrical conductivity to ANSI ESD S7.1