

Paint Testing Combinations for EBL Environmental Investigations

This guidance can be used for XRF lead analyzer use or paint chip collection for laboratory analysis. The results should be used to make hazard determinations and subsequent hazard control recommendations.

The following components may be grouped under one testing combination, meaning that one XRF reading or paint chip sample result may be used to identify the grouped components as positive or negative for lead content. When using this approach, it is recommended that the investigator alternate between components within the group to reduce test-bias or skewed results.

A testing combination is a unique combination of room equivalent, component type and substrate. Grouping testing combinations takes into account that there is a reasonable likelihood that some components will share the same painting history. HUD Guidelines for the Evaluation of Lead-Based Paint Hazards in Housing, Revised Chapter 7, permits the grouping of certain testing combinations indicated as follows:

Note: Paint sampling is not required if there is no evidence of friction, impact, deterioration or accessibility.

Combination	Testing Frequency
<p>Interior Window Components: As many as <u>4</u> chip samples per window, assuming damage as described above on any one component. 1: Casing <u>or</u> Inside Stop <u>or</u> Apron 2: Sash <u>or</u> Mullion 3: Jamb <u>or</u> Trough 4: Sill: test separately</p> <p>Storm/screen sash interior should be tested separately</p>	<p>At least one interior window per room unless different painting history</p> <p>At least one storm/screen per room unless different painting history</p>
<p>Exterior Window Components: As many as <u>3</u> chip samples per window, assuming damage as described above on any one component 1: Casing <u>or</u> Stop <u>or</u> Apron <u>or</u> Sill 2: Sash <u>or</u> Mullion 3: Jamb <u>or</u> Trough</p> <p>Storm/screen assemblies: test separately</p>	<p>At least one exterior window per original structure and one window per addition, if the same painting history</p> <p>At least one storm/screen per room unless different painting history</p>
<p>Interior Door Components: As many as <u>2</u> chip samples per door, assuming damage as described above on any one component 1: Jamb <u>or</u> Stop <u>or</u> Transom 2: Stile <u>or</u> Rails <u>or</u> Panels <u>or</u> Mullions 3: Casing</p> <p>Storm/screen doors: test separately, use the same testing combinations</p>	<p>At least one door per room, given the same painting history</p>
<p>Exterior Door Components: As many as <u>2</u> chip samples per door, assuming damage as described above on any one component 1: Jamb <u>or</u> Stop <u>or</u> Transom 2: Stile <u>or</u> Rails <u>or</u> Panels <u>or</u> Mullions 3: Casing</p> <p>Storm/screen doors: test separately, use the same testing combinations</p>	<p>At least one exterior door per original structure and one door per addition, if the same painting history</p> <p>At least one storm/screen door per original/one door per addition</p>
<p>Other: Testing combination: Baseboards or associated trim Test chair rails separately</p>	<p>At least one per room, given the same painting history</p>
<p>Exterior: Exterior wall Foundation</p>	<p>At least one of each component on each side of the housing unit, given the same painting history</p>