

What is the difference between PS1-09 Exposure 1 and PS1-09 Exterior?

There are two classifications in the standard for glue bond durability.

1. **Exposure 1** – The minimum permitted veneer in an Exposure 1 is D grade.

Average % Wood Failure = 80% minimum, 90% of the individual panels tested must have % wood failure = to 60% minimum. 95% of the individual panels tested will have % Wood Failure = 30% minimum.

Always keep in mind when selecting panels if the glue bond durability is Exposure 1, then somewhere in the construction D grade veneers are used. Exposure 1 panels are suitable for uses that are not permanently exposed to the weather, but where panels must resist effects of moisture due to construction delays or high humidity. Exposure 1 panels are made with the same exterior adhesives used in Exterior-rated panels. It is recommended to protect panels from weather until they are used. Protection should include storing panels so they are not in contact with the ground and to wrap for protection from rain or snow.

Some examples of Exposure 1 panels are Un-Sanded panels, Sheathing Span Rated (DD), CD Sheathing Span Rated, Touch-Sanded panels – Single Floor Span and C-D Plugged.

Reference PS1-09 Section 5.7.1 for Exposure 1

2. **Exterior** – The minimum permitted veneer in an exterior panel is C grade.

Average % Wood Failure = 85% minimum, 75% of the individual panels tested must have % wood failure = to 80% minimum. 90% of the individual panels tested will have % Wood Failure = 60% minimum, 95% of the individual panels tested will have % Wood Failure = 30% minimum.

If the glue bond durability is Exterior, then all veneers used in the construction must be C grade or better. Exterior panels are designed for applications subject to permanent exposure to weather or moisture. They are fully waterproof.

Some examples of Exterior panels are: Siding Panels, Overlaid panels (HDO and MDO), Un-Sanded panels, C-C Sheathing Span Rated, and Sanded panels (A-A, A-B, A-C, B-B, and B- C), and Touch-sanded panels, C-C Plugged, and Single Floor Span with all C grade or better veneers.

Reference PS1-09 Section 5.7.2 for Exterior

PS1-09 stamps will always include the certification agency, the standard, and the glue bond durability, Exposure 1 or Exterior in the trade marks.

