

BOND CLASSIFICATION

APA trademarked panels are classified as either Exterior or Exposure 1. The bond classification relates to moisture resistance of the adhesive bond in accordance with the intended end-use conditions and thus, to structural integrity. It does not relate to resistance of the panel to physical forces such as erosion, ultraviolet light or to biological factors such as mold, fungal decay, insects, etc. Since aesthetic (nonstructural) attributes of panels may be compromised to some degree by exposure to weather^(a), APA installation recommendations are designed to provide optimum overall performance.

Exterior panels are suitable for applications subject to long-term exposure to the weather or to moisture.

Exposure 1 panels may be used for applications where construction delays may be expected prior to providing protection. Exposure 1 panels are made with the same exterior adhesives used in Exterior panels. Because other compositional factors may affect bond performance, however, only Exterior panels should be used for long-term exposure to the weather.^(b)

Note: Plywood APA Rated Sheathing Exposure 1, commonly called “CDX” in the trade, is sometimes mistaken as an Exterior panel and erroneously used in applications for which it does not possess the required resistance to weather. “CDX” should only be used for applications as outlined under Exposure 1 above. For sheathing grade panels that will be exposed long-term to the weather, specify APA Rated Sheathing Exterior (C-C Exterior plywood under PS 1).

^(a) Panel surfaces may become uneven and irregular under prolonged moisture exposure. Panels should be allowed to dry, and panel joints and surfaces may need to be sanded before applying some finish materials.

^(b) Exposure 1 panels may also be used when exposure to the outdoors is on the underside only, such as at roof overhangs (open soffit). Appearance characteristics of the panel grade should be considered.

Technical Services Division

DISCLAIMER

The information contained herein is based on APA – The Engineered Wood Association’s continuing programs of laboratory testing, product research, and comprehensive field experience. Neither APA nor its members make any warranty, expressed or implied, or assume any legal liability or responsibility for the use, application of, and/or reference to opinions, findings, conclusions, or recommendations included in this publication. Consult your local jurisdiction or design professional to assure compliance with code, construction, and performance requirements. Because APA has no control over quality of workmanship or the conditions under which engineered wood products are used, it cannot accept responsibility of product performance or designs as actually constructed.

7011 South 19th Street • Tacoma, WA 98466
Telephone (253) 565-6600 • Fax Number (253) 565-7265
www.apawood.org