

## Qualified Oriented Strand Boards With Low Formaldehyde Emissions Tolko Industries Ltd.

PR-E710

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Product: Oriented Strand Boards Qualified for Low Formaldehyde Emissions  
Tolko Industries Ltd., Post Office Box 39, 3000 - 28th Street, Vernon, BC V1T 6M1, Canada  
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1. Basis of the product report:
  - APA Custom Product Specification E-710
  - ISO 12460-4, Wood-Based Panels -- Determination of Formaldehyde Release, Part 4: Desiccator Method
  - Performance Standard for Wood-Based Structural-Use Panels, PS 2
  - Construction Sheathing, CAN/CSA O325
  - Performance Standards and Qualification Policy for Structural-Use Panels, APA PRP-108
  - Performance Standard for APA EWS Rim Boards, APA PRR-401
  - APA Reports Q08Q-5 and Q08Q-6, and other qualification data

2. Product description:  
Tolko and Meadow Lake oriented strand board (OSB) panels are made with strands of various species and strand classifications in accordance with the in-plant manufacturing standard approved by APA. Tolko and Meadow Lake OSB panels are available in a variety of thicknesses and sizes.

3. Formaldehyde emission requirements for G5 rating:  
Tolko and Meadow Lake OSB panels have been qualified for low formaldehyde emissions based on ISO 12460-4 and the bond performance requirements of one of the following product standards: PS 2, CAN/CSA O325, APA PRR-401, or APA PRP-108. Tolko and Meadow Lake OSB panels meet the formaldehyde emission level specified in Table 1 in accordance with the APA Custom Product Specification E-710.

Table 1. Maximum formaldehyde emission level for G5 rating based on ISO 12460-4 <sup>(a)</sup>

Average	0.20 mg/l
Individual specimen	0.30 mg/l

<sup>(a)</sup> Testing has shown that APA certified products that meet these G5 levels also met the most stringent level specified in CARB and HUD regulations.

4. Limitations:
  - a) Tolko and Meadow Lake OSB panels shall be designed and installed in accordance with the applicable provisions of the code and the recommendations provided by the manufacturers and APA Design/Construction Guide: *Engineered Wood Construction Guide*, Form E30 ([www.apawood.org/publications](http://www.apawood.org/publications)).
  - b) Tolko and Meadow Lake OSB panels are limited to dry service conditions that result in the average moisture content of sawn lumber of less than 16 percent.
  - c) Tolko and Meadow Lake OSB panels are produced by the manufacturing facilities shown in Table 2 under a quality assurance program audited by APA in accordance with the APA Custom Product Specification E-710.
  - d) This report is subject to re-examination in one year.

5. Identification:  
Tolko and Meadow Lake OSB panels are identified by a label bearing the manufacturer's name (Tolko or Meadow Lake) and/or trademark, the APA assigned plant number (492 for Meadow Lake, SK and 514 for Athabasca, AB), the product standard and thickness, the bond classification, the APA logo, the product report number PR-E710, and the formaldehyde emission rating G5.

Table 2. Qualified Manufacturing Facilities for Low Formaldehyde Emission

Manufacturer	Location	Mill Number	APA Test Report
Meadow Lake OSB Limited Partnership	Meadow Lake, SK, Canada	492	Q08Q-6
Tolko Industries Ltd.	Athabasca, AB, Canada	514	Q08Q-5

APA – *The Engineered Wood Association* is an accredited certification body under ISO 65 by Standards Council of Canada (SCC) and an accredited inspection agency by the International Code Council (ICC) International Accreditation Service (IAS) under ISO/IEC 17020. APA is also an accredited testing organization recognized by IAS and SCC under ISO/IEC 17025. APA is a recognized testing laboratory by Miami-Dade County, and a Product Testing Laboratory, Product Quality Assurance Entity, and Product Validation Entity by the Florida Department of Community Affairs (DCA).

**APA – THE ENGINEERED WOOD ASSOCIATION**

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**PRODUCT SUPPORT HELP DESK**

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