



Roseburg ULEF Exempt Hardwood Plywood

Roseburg SkyPly Hardwood Plywood (vener core and composite core) are CARB approved ULEF Exempt. Refer to California Executive Order [N14-038](#).

The California Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products, Section 93120, title 17 of the California Code of Regulations defines ultra-low-emitting formaldehyde (ULEF) resins as ‘resins formulated such that average formaldehyde emissions are consistently below the Phase 2 emission standards in section 93120.2 and provided in section 93120.3(d)’.

Information from the CARB ATCM is provided below to demonstrate the formaldehyde emissions limits and the requirements for manufacturers to achieve an exemption from CARB.

Table 1 Phase 1 and Phase 2 Formaldehyde Emission Standards for Hardwood Plywood (HWPW), Particleboard (PB), and Medium Density Fiberboard (MDF) ⁽¹⁾					
Effective Date	---- Phase 1 (P1) and Phase 2 (P2) Emission Standards (ppm) ----				
	HWPW-VC	HWPW-CC	PB	MDF	Thin MDF
1-1-2009	P1: 0.08	-----	P1: 0.18	P1: 0.21	P1: 0.21
7-1-2009	-----	P1: 0.08	-----	-----	-----
1-1-2010	P2: 0.05	-----	-----	-----	-----
1-1-2011	-----	-----	P2: 0.09	P2: 0.11	-----
1-1-2012	-----	-----	-----	-----	P2: 0.13
7-1-2012	-----	P2: 0.05	-----	-----	-----

⁽¹⁾ Based on the primary test method [ASTM E 1333-96(2002)] in parts per million (ppm).
 HWPW-VC = veneer core; HWPW-CC = composite core.

EXEMPTIONS

Upon written approval of the Executive Officer, manufacturers of HWPW, PB, MDF, and thin MDF may qualify their product types for an exemption from third party certification. To qualify for an exemption from third party certification for a product type, ninety percent of six months of routine quality control testing data and the results of two quarterly primary or secondary method tests must be shown to be no higher than a ULEF-target value of 0.04 ppm. All data must be shown to be no higher than a ULEF-cap value of 0.05 ppm for HWPW and 0.06 ppm for PB, MDF, and thin MDF. All other requirements of section 93120.3(d)(1) apply. Manufacturers who have been exempted from third party certification do not need to comply with the requirements of Appendix 2 of section 93120.12.

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