



NAUF / ULEF SkyBlend Composite Panels

This letter addresses questions related to the compliance of Roseburg's SkyBlend composite panels to requirements of both LEED 2009 and LEED v4 "low emitting material" credits. The adoption of an emission based requirement by LEED v4 is a significant improvement to this credit that intends to reduce exposure from chemicals that can impact indoor air quality. The LEED 2009 standard, and previous versions, required the use of No Added Urea Formaldehyde (NAUF) resin systems to earn credit. The LEED v4 requirement for composite wood panels is that they meet CARB Ultra Low Emitting (ULEF) or No Added Formaldehyde (NAF) resin requirements. The following table shows the emission levels for comparison:

Specified resin system	CARB Formaldehyde emission limit requirement (ppm)
NAUF	0.09 maximum (same requirement as CARB phase 2)
CARB approved ULEF	0.08 maximum (90% of tests cannot exceed 0.05 target)
CARB approved ULEF exempt	0.06 maximum (90% of tests cannot exceed 0.04 target)
CARB approved NAF	0.06 maximum (90% of tests cannot exceed 0.04 target)

Roseburg's SkyBlend particleboard is CARB approved ULEF exempt. This puts it in the same class as NAF panels in regards to CARB and LEED requirements (a 33% formaldehyde emission reduction from the requirements for NAUF panels).

However, the question remains:

- Does the SkyBlend ULEF exempt panel still meet the "NAUF" requirement for past and ongoing projects registered under LEED 2009?

The answer here is yes. This question was addressed in a LEED interpretation ruling (ID#10250). The ruling indicates acceptance of CARB compliant ULEF panels produced with MUF resin systems for the LEED 2009 EQ 4.4 credit (<http://www.usgbc.org/node/1732513?view=interpretations>). Roseburg's SkyBlend composite panels are produced with a MUF resin system and are CARB approved ULEF exempt, thus meeting the requirements of this interpretation ruling.

If you have questions related to this issue or any other questions about our products please contact a Roseburg sales or customer service representative:

Western Sales
Dillard, Oregon
Toll Free: 800-245-1115

South/East Sales
Johns Creek, Georgia
Toll Free: 866-387-2646

Rev. 02/24/15