

REV: October 27, 2022

LEED V4.x Product Support **IF a credit is not referenced here it is not supported [EPD, Responsible Extraction, Local Multiplier]** For specification support: [Contact Columbia Forest Products - Columbia Forest Products](#)
MasterSpec: [656-PureBond-FSC-3-PART-Spec-Sheet-Rev-4-21.pdf \(columbiaforestproducts.com\)](#)

Option 2 - Leadership Extraction Practices - FSC® Certified Wood [FSC C017500]

All Columbia panel production is available as FSC Mix *at time of order placement*. Bona fides for project are distributor invoices to fabricator showing chain-of-custody [COC] number. Columbia cannot write submittal letters on FSC content without seeing the invoices to fabricator. Information on Columbia FSC offering is located here: [FSC-Certified Wood | Green Building Standards Plywood \(columbiaforestproducts.com\)](#). Information on how FSC applies to LEED V4 can be located here: [FAQs for Green Building \(fsc.org\)](#).

Option 2 - Recycled Content

Domestic veneer core and Europly® Baltic birch veneer core assemblies are zero recycled content. PureBond® and ULEF composite and combination panel assemblies *do* have a percentage of pre-consumer recycled content. ISO 14021 compliant recycled content certification are secured from third party composite vendors once we have a viable plan take off *in advance of fabrication* and can determine plant site. To properly credential, link selected composite vendor bona fides by geography, fabricators will need reference composite vendor name with advance notice at time of order placement. If this information is not offered at time of order placement, Columbia not responsible for the changes in ISO 14021 claim. Recycled content typically around 80% of the volume of a panel assembly once all composite resins and non-ISO 14021 compliant “recovered” materials [whole log chipping] and “forest thinnings” subtracted from the declarations provided.

Building Product Disclosure and Optimization - USGBC Approved Alternative for Material Ingredients Disclosure [Declare®]

Columbia Forest Products supports Declare® material ingredient disclosure on domestic, veneer core production including PureBond MPX® [Grades A-C] and PureBond HP-1 panel constructions [D and lower.] [Declare - International Living Future Institute \(living-future.org\)](#). Columbia also recently added Collins FreeForm particleboard core hardwood plywood to its Declare line up for our Klamath Falls, OR plant in the West.

Composite panel constructions may or may not be supported with a “manufacturer ingredient inventory” disclosure, depending on size of order to support the time to research and how forthcoming upstream composite vendors are, which varies by region and country. But formulations are pretty well understood around pMDI NAF composites, for example...sufficient to call these Red List Free with SDS due diligence on our side to back it up for certain vendors who disclose ingredients in SDS.

Indoor Environmental Quality:

Low-Emitting Materials - Composite Wood Evaluation

See Columbia CARB/TSCA page for plant certificates where both Soy/PVA/pMDI NAF and ULEF/PF glue types are supported: [CARB EPA TSCA TITLE VI Regulation Information - Columbia Forest Products](#) However, as we understand it, the bona fides required by project auditors include invoices with TSCA Title VI Compliant claim and TPC number from distributor (and not just a plant certificate.)

TVOC – PureBond HP-1 Domestic Veneer and FreeForm Core [Western states Only]

When tested as raw, unfinished paneling with decorative veneer faces to CDPH/EHLB/Standard Method V1.2-2017 PureBond HP-1 Domestic Veneer Core and Collins FreeForm panels passed both school classroom and office loading scenarios. Tests, certificates available, just put in a request to the contact link provided.