

LEEDS® ALIGNMENT

Nova USA Wood - Tropical Hardwoods



Batu / Red Balau • Torem • Yellow Balau

OVERVIEW

Nova's tropical hardwoods deliver strength, density, and long-term performance for exterior projects. While not FSC® or PEFC® certified, all are sourced from legally verified forests under recognized trade assurance programs (OLB, TLV, or equivalent). Their durability and clean material profile support LEED® v4/v4.1 goals for responsible material selection and lifecycle efficiency.

MATERIALS & RESOURCES (MR)

Nova's tropical hardwoods are legally harvested and responsibly sourced under the Lacey Act. LEED® v4/v4.1 awards sourcing credit only to wood with approved certifications (e.g., FSC®, SFI®, or PEFC™). Our products support sustainable practices but cannot be counted toward MR Sourcing points without third-party certification. Their long lifespan, however, supports LEED's intent to reduce material replacement and waste over a building's lifecycle.

INDOOR ENVIRONMENTAL QUALITY (EQ)

Tropical hardwoods contain no added urea-formaldehyde resins or chemical binders. Used indoors, they can comply with LEED v4 Low-Emitting Materials requirements for wood products. To earn the EQ credit, project teams must ensure all associated finishes, adhesives, or sealants also meet low-VOC criteria.

ENERGY & ATMOSPHERE (EA)

Wood naturally reduces thermal bridging compared to metals or composites, supporting better envelope performance. However, LEED EA credits are awarded based on the building's overall energy modeling, not individual materials. While tropical hardwoods help maintain efficiency and durability, they do not directly earn EA points.

INNOVATION (IN)

Projects can pursue an Innovation credit using Nova's tropical hardwoods, though it is not automatic. One path is the LEED® Pilot Credit for Legal Wood, which rewards the use of legally and responsibly harvested timber. Alternatively, teams may propose an innovation credit for biophilic design or sustainable material education. All innovation credits require proper documentation and LEED reviewer approval.

SUMMARY

Batu, Torem, and Yellow Balau provide proven performance, verified legal sourcing, and exceptional durability. They align with LEED® objectives across MR, EQ, EA, and IN categories by promoting longevity, legality, and environmental integrity.



LEEDS® ALIGNMENT

Nova USA Wood - Thermally Modified Series



Ambara™ • Korina [Black Limba/Frake]

OVERVIEW

Nova's thermally modified woods — Ambara™ (Obeche/Ayous) and Korina (Black

Limba/Frake) — combine natural aesthetics with improved durability and dimensional stability.

Modified using only heat and steam, they contain no added chemicals, offering a clean, low-impact material choice aligned with LEED® principles.

MATERIALS & RESOURCES (MR)

Ambara™ and Korina are sourced from legally verified forests and processed without chemicals. Under LEED® v4/v4.1, MR sourcing credits require third-party certification (FSC®, SFI®, PEFC™), which these products do not hold. However, their durability and non-toxic treatment support LEED's goals for reducing material waste and improving lifecycle performance.

INDOOR ENVIRONMENTAL QUALITY (EQ)

Thermally modified wood is VOC-free and contains no added formaldehyde. This makes it suitable for interiors and supports LEED v4/v4.1 Low-Emitting Materials requirements. To fully comply, ensure any finishes or installation adhesives used with the product are also low-VOC certified.

ENERGY & ATMOSPHERE (EA)

Thermally modified wood's stability and moisture resistance reduce the need for frequent refinishing or replacement. While this supports efficient maintenance and building envelope performance, LEED® EA credits are based on whole-building energy modeling, not material selection. These attributes nonetheless reinforce the overall sustainability and performance goals of LEED projects.

INNOVATION (IN)

Ambara™ and Korina offer innovation potential through their chemical-free modification and extended service life. Project teams may explore an Innovation credit highlighting enhanced

durability and materials health, or pursue a biophilic design strategy emphasizing natural wood use. Such credits must be project-specific and documented for LEED® approval.

SUMMARY

Nova's thermally modified woods provide architects and builders with durable, low-impact materials that support LEED® strategies across MR, EQ, EA, and IN categories. They offer long-term performance, clean composition, and verifiable legal sourcing to complement green building objectives. Indoors, they can comply with LEED v4 Low-Emitting Materials requirements for wood products. To earn the EQ credit, project teams must ensure all associated finishes, adhesives, or sealants also meet low-VOC criteria.

ENERGY & ATMOSPHERE (EA)

Wood naturally reduces thermal bridging compared to metals or composites, supporting better envelope performance. However, LEED EA credits are awarded based on the building's overall energy modeling, not individual materials. While tropical hardwoods help maintain efficiency and durability, they do not directly earn EA points.

INNOVATION (IN)

Projects can pursue an Innovation credit using Nova's tropical hardwoods, though it is not automatic. One path is the LEED® Pilot Credit for Legal Wood, which rewards the use of legally and responsibly harvested timber. Alternatively, teams may propose an innovation credit for biophilic design or sustainable material education. All innovation credits require proper documentation and LEED reviewer approval.

SUMMARY

Batu, Torem, and Yellow Balau provide proven performance, verified legal sourcing, and exceptional durability. They align with LEED® objectives across MR, EQ, EA, and IN categories by promoting longevity, legality, and environmental integrity.

