



Plywood Excellence by Dejavu Sky

sustainable supply, valuable trust.

Premium Structural and Aesthetic Timber
Solutions for the Australian Market.

The Australian Benchmark for Structural Integrity

Meeting the rigorous demands of the Building Code of Australia (BCA) is not an aspiration; it is our baseline.



Empirical Rigour

Every structural board undergoes stringent physical testing for bending strength, stiffness, and sheer capacity to guarantee its F-grade rating.

A-Bond Resilience

Utilising dark phenolic resin, our structural lines withstand prolonged exposure to moisture, temperature fluctuations, and severe weather without delamination.

Continuous Calibration

From veneer grading to final pressing, our manufacturing lines are calibrated to Australian timber tolerances, ensuring predictable performance on every site.

The Anatomy of Structural Excellence

Premium Face/Back Veneers.

Graded (A through D) for specific aesthetic and functional requirements, ensuring a flawless finish or structural integrity.

Phenolic A-Bond Resin.

The weatherproof chemical matrix that permanently binds the veneers, eliminating delamination risk under AS/NZS 2269 testing.

Calibrated Core Veneers.

Precisely milled interior layers free from structural voids.

Orthogonal Cross-Banding.

The engineering principle that nullifies natural timber movement, resulting in unmatched dimensional stability and sheer strength.





Marine Plywood: Uncompromising Resilience in Extreme Environments

- | | |
|--------------------|---|
| Bond: | Permanent A-Bond Phenolic Resin |
| Veneer: | High-grade, void-free core with premium face veneers. |
| Resistance: | Boiling water, fungal attack, and high continuous humidity. |

Coastal
Construction

Luxury Boat
Building

Premium
Exterior
Joinery

High-Moisture
Architectural
Features

Designed for the harshest Australian coastal climates, our Marine grade guarantees zero delamination and absolute structural longevity where standard timber fails.



Structural Plywood: The Engineered Core of Australian Construction.

Standard: Certified AS/NZS 2269.

Stress Grades: Available in F8, F11, F14
(and higher custom orders).

Bond: Weather-exposed A-Bond.

Wall
Bracing

Sub-
Flooring

Roof
Sarking

Heavy-Duty
Packaging &
Hoardings

The undisputed workhorse of the Australian building site. Graded for predictable load-bearing performance, delivering maximum sheer strength to architectural frameworks.



Film Faced Plywood: Flawless Formwork and Maximum Reusability.

Surface:	High-density phenolic resin overlay (smooth or anti-slip wire mesh).
Core:	Hardwood or high-density structural core.
Edge Sealing:	Acrylic moisture-blocking edge paint.

Architectural
Concrete Formwork

Pre-cast
Concrete

Industrial
Flooring

Transport
Vehicle Decks

Engineered for heavy-duty pouring. The phenolic film creates a highly moisture-resistant, non-stick barrier that guarantees a flawless off-form concrete finish while preserving the board's structural core.

The Formwork Cycle: Multiplying ROI Through Durability.





Decorative Veneered Plywood: Architectural Elegance Meets Structural Core.

- **Face Quality:** Select Grade A/B natural timber veneers (e.g., Oak, Walnut, Birch).
- **Finish:** Sanded smooth, ready for clear-coat, staining, or acoustic perforation.
- **Core:** Stable, void-free multi-ply core to prevent warping.

Premium Interior
Fit-outs

Custom Joinery
& Cabinetry

Acoustic Wall
Panelling

High-End
Furniture

*Fusing the natural warmth of premium hardwood grains
with the dimensional stability of engineered plywood.
The ultimate canvas for Australian interior architects.*

The Dejavu Sky Application Matrix

Feature/Metric	Marine	Structural	Film Faced	Decorative
Bond Type	Permanent A-Bond	A-Bond / B-Bond	WBP Phenolic	C-Bond / Interior
Stress Graded	Specific Orders	F8, F11, F14	F-Grade Rated	Non-Structural
Moisture Res.	Extreme / Boiling	High / Weather	Surface / Pouring	Low / Interior
Surface Finish	High / Sanded	Raw / Unsanded	Phenolic Film	Premium A/B Woodgrain
Ideal AU Use	Coastal / Boats	Load-Bearing Framing	Concrete Formwork	Architectural Joinery

Consult our technical team for custom thickness, sheet dimensions, and bespoke F-grade requirements.



Dejavu Sky

Engineered Plywood Solutions for Concrete Formwork

sustainable supply, valuable trust

The Philosophy of Precision in Structural Engineering



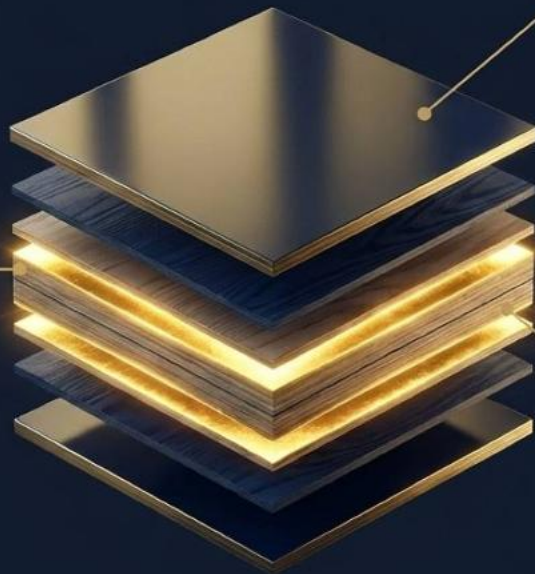
The Old Paradigm

Conventional formwork is treated as a temporary, disposable container. This compromises architectural finish and structural tolerances.

The Dejavu Paradigm

Formwork is the critical external matrix. The final structural integrity and aesthetic perfection of a building are entirely dictated by the precision of the mold that shapes it.

Molecular Integrity at the Core



WBP Phenolic Resin

High-density Water Boiled Proof (WBP) glue creates an impenetrable bond between veneers, actively resisting delamination under extreme moisture.

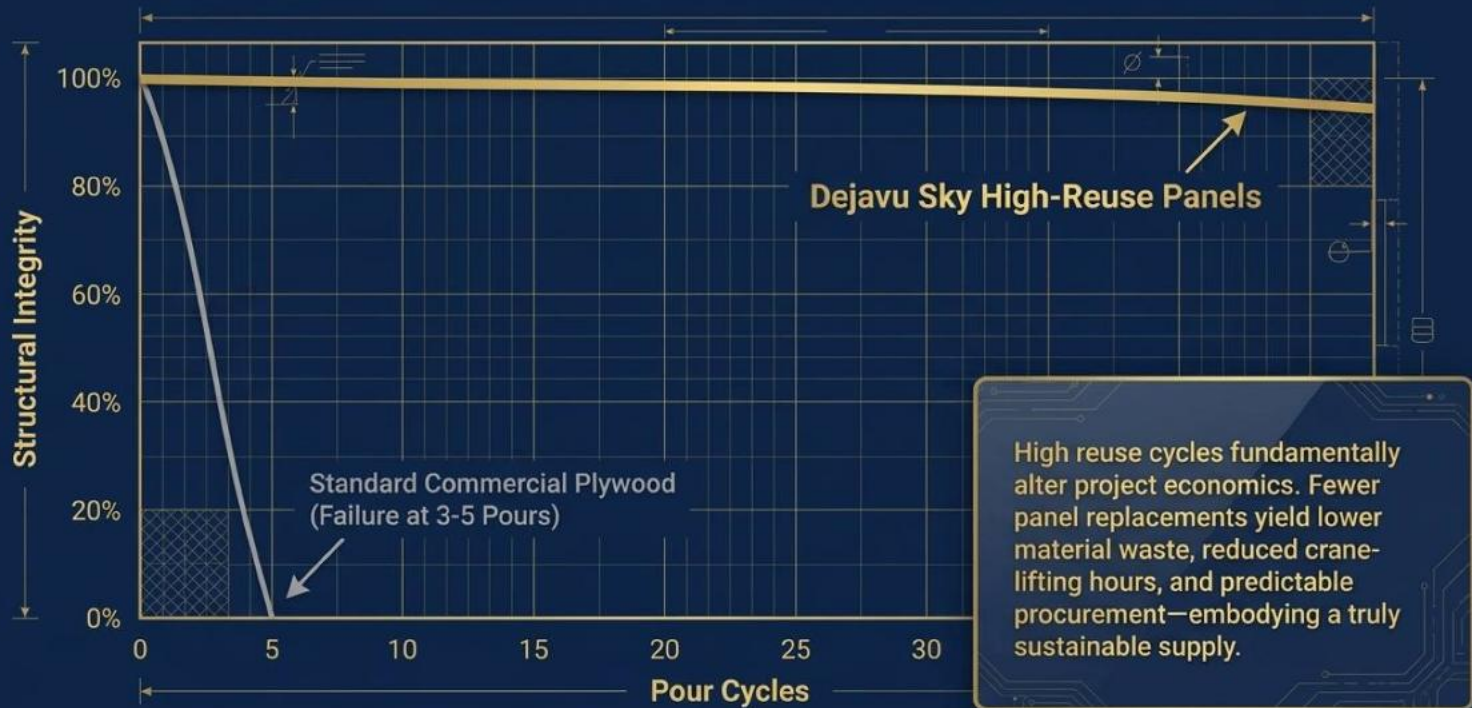
Phenolic Surface Coating

The smooth, chemically inert outer film prevents concrete adhesion and repels alkaline water absorption.

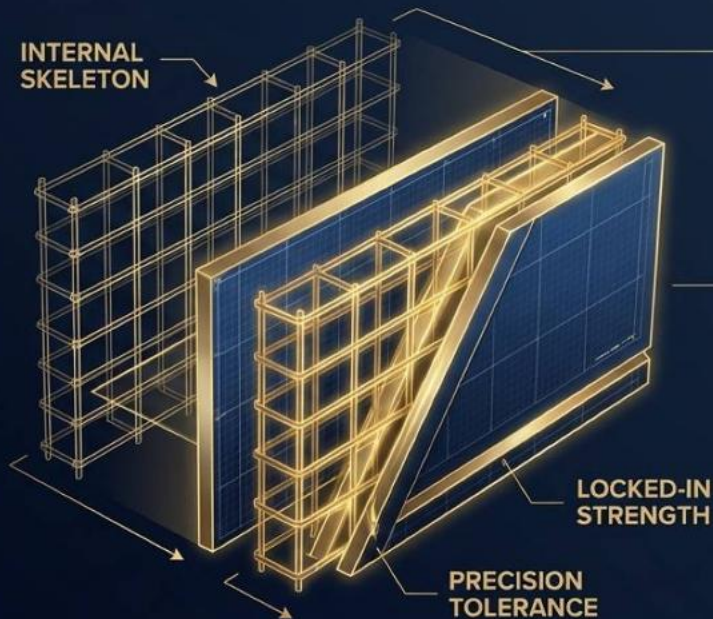
On-Site Reliability

Weather and boiling-water resistance translate to zero structural compromise, regardless of harsh climate exposure during multi-day pours.

The Economics of Endurance



SYSTEMIC SYNERGY: BEYOND SIMPLE CONTAINMENT



STEP 1: The Internal Skeleton

The steel armature provides tensile strength but is vulnerable to displacement during pouring.

STEP 2: The External Skeleton

Dejavu Sky panels act as a rigid, unyielding exoskeleton.

STEP 3: Integration

The formwork doesn't just hold wet concrete; it actively locks the internal steel cage into its exact engineered tolerances.

Anchoring the Steel Cage Against Hydrostatic Force



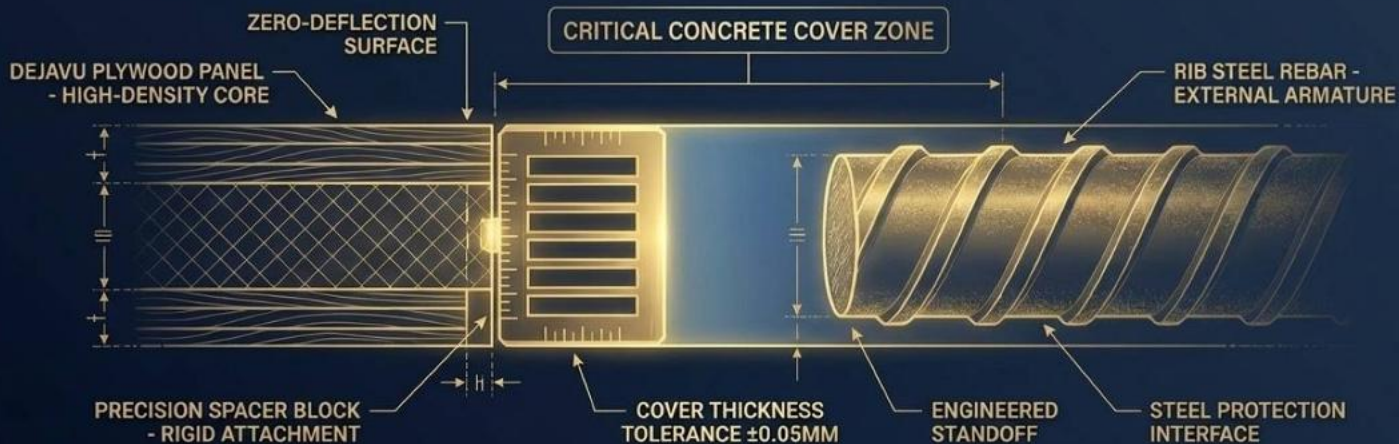
Mechanism

High-density core veneers and WBP lamination grant immense flexural strength.

Result

Prevents lateral shift, bowing, and catastrophic blowouts during high-pressure, rapid vertical pours. The heavy rebar cage remains mathematically plumb.

The Calculus of Precise Concrete Cover



Problem

Deflection in cheap plywood compresses the cover zone, exposing rebar to future oxidation, rust, and spalling.

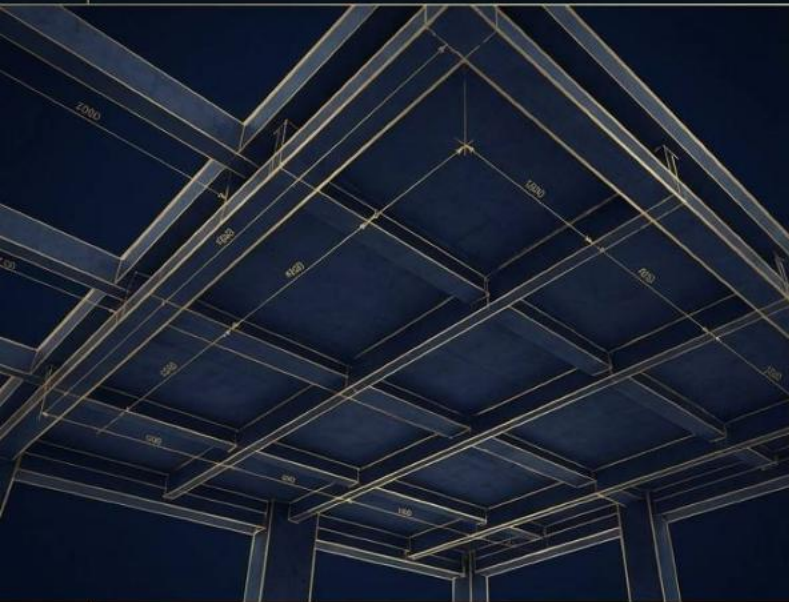
Dejavu Solution

Zero-deflection panels ensure the formwork spacers sit flush and rigid against the mold.

Guarantee

The engineered distance between the environment and the steel is maintained flawlessly across the entire surface area of the pour.

Horizontal Supremacy in Slab Construction



Load Bearing Capacity

Engineered to support massive dead loads of horizontal wet concrete without sagging between shoring props.

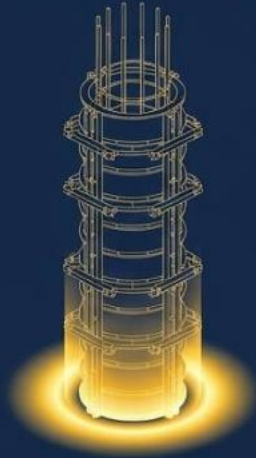
Span Efficiency

High stiffness-to-weight ratio allows for wider prop spacing, accelerating assembly.

Perfectly Flat Soffits

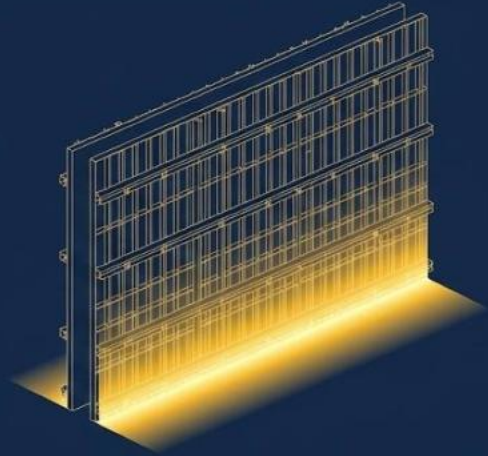
Delivers perfectly level ceiling finishes, reducing the need for extensive plastering or leveling compounds.

Vertical Precision for Columns and Shear Walls



Column Application

Easily cut and adapted for complex geometric column forms while maintaining rigid edge integrity.



Shear Wall Application

Resists the exponentially compounding base pressures of deep vertical pours, ensuring perfectly plumb, uninterrupted structural walls.

The Ultimate Test: Architectural Concrete



Concept: Fair-Faced Concrete

Architectural Concrete is the most unforgiving medium in construction. There is no paint or plaster to hide flaws.

The Reality:

In architectural concrete, the formwork is the final finish. Dejavu Sky panels are engineered to leave a permanent, flawless impression.

The Matrix of Superiority

Performance Dimension	Conventional Formwork	Dejavu Sky Solutions
Material	Standard MR Glue (fails in moisture)	Premium WBP Phenolic Glue (impervious to boiling water)
Rebar Support	Prone to lateral shifting	Rigid exoskeleton ensuring perfect plumb and cover
Deflection	High risk of bowing under hydrostatic load	Zero-deflection dimensional stability
Finish	Requires heavy plastering or rework	Ready for fair-faced and architectural exposure

A Commitment to Sustainable Supply.

Forest-to-Frame Lifecycle



FSC® Certified Forestry

Sourcing timber exclusively from responsibly managed plantations. Ensuring zero deforestation, biodiversity protection, and fair local labour practices.



Low-Impact Manufacturing.

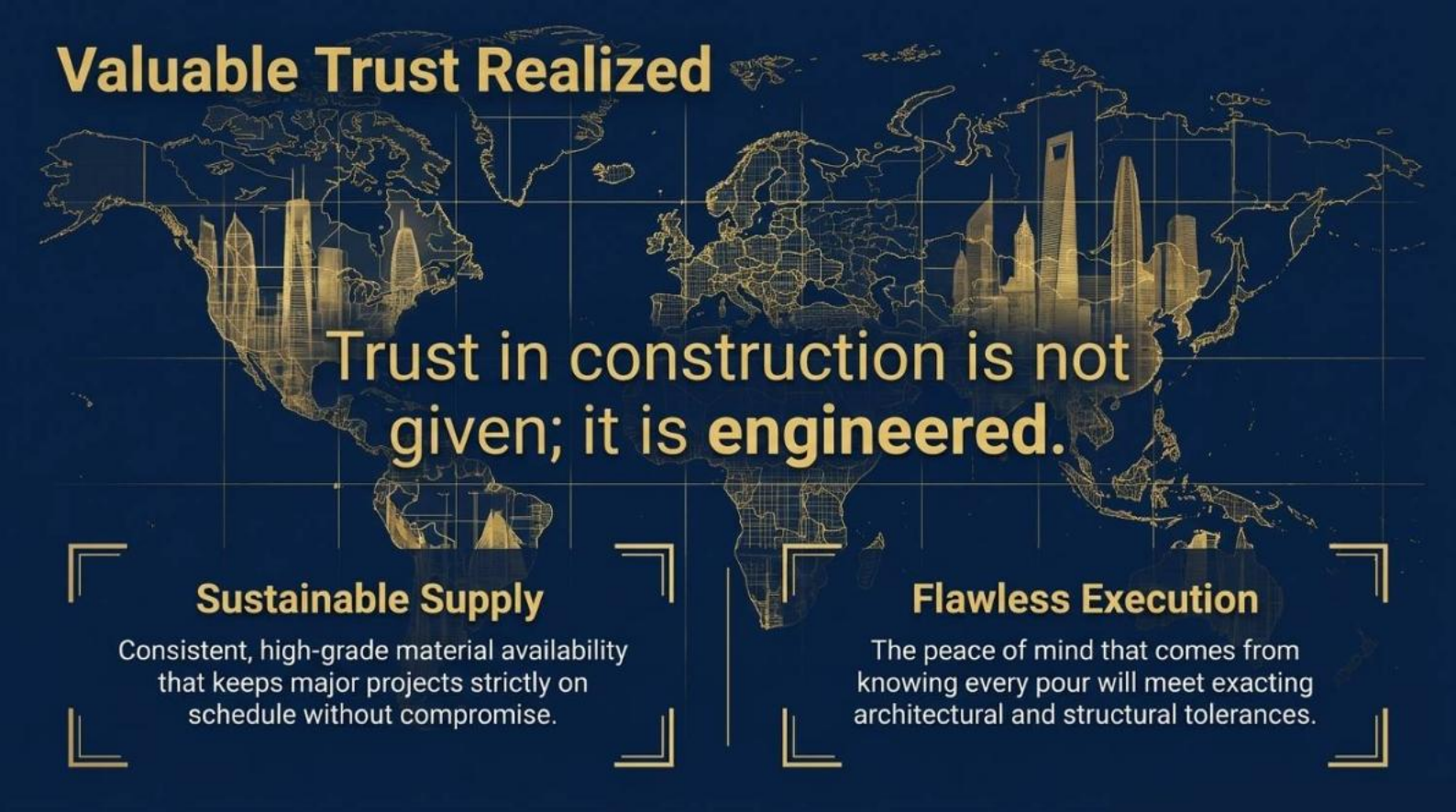
Optimising veneer peeling to maximise yield per log. Utilizing E0 low-emission resins and recycling mill biomass for energy efficiency.



Carbon-Locking Construction

Delivering a highly durable building material that acts as a long-term carbon sink in Australian homes and commercial structures.

Valuable Trust Realized

A world map with a grid overlay, featuring golden wireframe skyscrapers in North America and Europe.

Trust in construction is not
given; it is **engineered.**

Sustainable Supply

Consistent, high-grade material availability
that keeps major projects strictly on
schedule without compromise.

Flawless Execution

The peace of mind that comes from
knowing every pour will meet exacting
architectural and structural tolerances.



Dejavu Sky

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Elevate Your Engineering.

sustainable supply, valuable trust