



INSTALLATION GUIDE

Dak Pattern – 2" Tongue & Groove (T&G)

Dakeryn 2" Tongue & Groove (T&G) is a structural decking manufactured from solid 2-inch-thick appearance grade lumber. Available in Spruce or Douglas Fir, each piece is profiled with a precision T&G pattern for a tight and secure fit. This product is commonly used in timber frame construction, covered patios, loft floors, and horse barns, where it functions as both a structural roof/floor deck and an exceptional visible interior finish.

This guide details the required installation practices to ensure proper structural performance, appearance, and long-term stability. Failure to follow these instructions or local building codes may void the product warranty.

GENERAL INFORMATION

- Designed for interior ceiling decking in timber frame and post-and-beam construction.
- Suitable for exposed ceilings, loft floors (ceiling side), mezzanine decking, and protected roof assemblies.
- Manufactured from solid Spruce or Douglas Fir – not laminated
- Expect normal wood movement from seasonal humidity changes; proper acclimatization and fastening reduce visible gaps.
- Field finishing is recommended unless a prefinished option is used.
- Inspect material prior to installation; installation confirms acceptance of grade and appearance.

STORAGE & ACCLIMATIZATION

- Store decking indoors or in a fully sheltered, dry area.
- Keep boards off the ground with airflow on all sides.
- Protect from moisture, sunlight, and rapid humidity swings.
- Acclimatize for 7–10 days inside the building or protected area where the decking will be installed, with HVAC running when applicable.
- Do not install in environments with active moisture or condensation issues.

PRIOR TO INSTALLATION

- Review building code requirements for timber frame roof and ceiling systems.
- Confirm species (Spruce or DFir), grade, profile, and moisture content.
- Verify the moisture content is appropriate for installation conditions (typically 12–15% depending on region).
- Ensure beams, purlins, or joist spacing match engineering requirements for 2" structural decking.
- The surface should be dry, clean, and flat before installation.
- Avoid installation near areas with high humidity (spas, pools, saunas) unless appropriate vapor control and ventilation are present.

CUTTING

- Use a high-quality carbide-tipped blade designed for cutting solid lumber.
- Cut into the exposed face to minimize tear-out.
- Seal all end cuts with compatible primer, stain, or finish before installation.

FASTENING REQUIREMENTS

Fasteners

- Use 3"–4" nails or structural wood screws as required for thickness and engineered loads.
- Use coated, galvanized, or stainless fasteners depending on building location and humidity conditions.

Installation

- Install boards with the tongue facing the installer and fully seat the groove.
- Blind-nail or screw through the tongue whenever possible for concealed fastening.
- Ensure joints land on supporting framing unless alternate methods are approved by engineering.
- Tap boards into place gently to avoid damaging the tongue.
- Avoid overdriving fasteners; restricting natural movement may cause splits or buckling.
- Stagger butt joints for structural strength and improved appearance.

Environmental Considerations

- In areas with wide moisture swings, additional fasteners may be required.
- Ensure consistent joint pressure while allowing natural expansion and contraction.

FINISHING REQUIREMENTS

- Field finishing is recommended to protect against UV exposure, dust, and moisture fluctuations.
- Suitable finishes include:
 - Clear or lightly tinted protective coatings
 - Water-based interior finishes
 - Oil-based finishes for enhanced grain definition (especially on Douglas Fir)
- Apply the same number of coats on all exposed surfaces for balanced performance.
- For covered exterior ceilings or porches, use finishes formulated for protected exterior applications.

SURFACE PREPARATION

- Surfaces must be clean, dry, and free from dust or contaminants.
- Light sanding may improve appearance, especially on Douglas Fir which can show raised grain after machining.
- Remove all sanding dust before applying finish.

FINISH SELECTION & APPLICATION

Finish Type

- Recommended finishes include:
 - Clear matte, satin, or semi-gloss coatings
 - Acrylic/water-based products for clarity
 - Oil-based coatings for richer tone and deeper grain contrast

Application Requirements

- Pre-finish all tongue edges and end cuts prior to installation.
- Apply finish according to manufacturer instructions.
- Allow sufficient drying time between coats.
- Avoid applying finish under extreme humidity or cold conditions.