



TiO₂™ Titanium White

TiO₂ Titanium White® Trimboards

What are the advantages to this Substrate?

- 100% defect-free Chilean Radiata Pine that is kiln dried to 10% to 12% moisture content.
- Clear wood fiber that is expertly finger-jointed and edge-glued with a top-quality exterior grade of Emulsion Polymer Isocyanate (EPI) adhesive for dimensional stability.
- All 16' lengths... never shorter

How is it Coated?

- Once the wood has fully acclimated, the moisture content of the raw boards are checked prior to starting the coating function.
- The raw substrate is then modified with a permanent penetrating waterproofing and anti-fungal process that will not leach out over time.
- Two coats of a quality 100% acrylic zero VOC finish is expertly applied in the finishing factory.
- The evenly applied coating application process yields an aesthetic quality designed for interior use and has the technical performance and durability for prolonged exterior use – one board, one sku, and one solution.
- TiO₂ is reversible – product is produced with the intention of either side being used, no back stamps, no rack mars, no imperfections.
- Exacting standards require that every 16' finished board is examined under specialized lighting to minimize the chance of even the smallest defect leaving the factory

What are the packaging specifications?

- All boards are individually end-tagged for easy identification.
- Each 750 board foot unit is carefully packaged with top and bottom cardboard protection prior to the application of a fitted TiO₂ lumber bag.

* Please request a warranty copy for specifics

Quick Facts

- Single source FSC®-certified mill
- 100% defect-free Chilean Radiata Pine that is kiln dried to 10% to 12% moisture content.
- Water never touches the raw wood - no grain rising or grain swelling means better long-term coating adhesion
- No VOC 100% acrylic topcoat
- Durable enough for exterior use, beautiful enough to feature on the interior
- Available in 100% 16' lengths, 4/4" and 5/4" thickness
- Carefully packaged and protected to ensure clean, dry material





Installation Instructions

Must be kept dry at all times prior to installation.

Keep TiO₂ Titanium White® elevated at least 6" off the ground with a vapor barrier underneath the product and a loose waterproof cover over the finish boards that allows adequate air circulation. Avoid storage in direct sun.

Do not use TiO₂ for the following:

- Do not assume your installation crew knows how to correctly install the product.
- Do not use TiO₂ for structural purposes including any use where a load is carried other than the weight of the board itself.
- Do not use TiO₂ for siding, fences, decking, railing, gutters, planters, trellises, or any other use outside of the common design specifications for trim board applications.
- Do not attach TiO₂ to pressure-treated wood, whether it is coated or uncoated.
- Do not allow the product to be in direct contact with the ground.
- Do not backfill or place sod, mulch, etc., closer than 8 inches to product.
- Do not place TiO₂ in direct contact with concrete, masonry, patios, porches, and/or roofs.
- Do not install where water sprinklers can regularly wet the product.
- Do not install in a manner to allow water to be entrapped behind the product.
- Do not use caulking sealant as a substitute for flashing.
- Do not install with moisture content over 15%, or paint over wet or dirty product.
- Do not install directly over rigid foam insulation. Instead, use furring strips to create an air space and a high quality building wrap directly against foam insulation.
- Do not recess or countersink nails but rather leave them flush with the surface of the substrate when installing, taking care not to break the surface of the film with either the nail head, hammer or pneumatic gun.

Do adhere to the following when handling, installing and maintaining TiO₂:

- Do adhere to all above handling, installation and maintenance instructions.
- Do follow the local building code requirements.
- Do follow the highest building industry construction standards.
- Do install to create easy drainage planes to shed possible water accumulations.
- Do be aware of potential sources of moisture penetration, including condensation, around the building, and modify design to avoid exposure.
- Do nail the substrate flush with the surface of the board taking great care not to break the surface to leave the nail recessed in any way.
- Do re-coat all surfaces exposed by jobsite field cuts during installation.
- If waiting to repaint after installation, ensure that all joints, nail heads, and other construction-related exposures are properly sealed and coated at the time of installation.
- Do re-paint and maintain in accordance with the paint manufacturers written label instructions.

Field Applied Topcoats

TiO₂ Titanium White® should be installed to above instructions. It is highly advisable to topcoat as soon as possible. Always follow paint manufacturer's suggested application guidelines when selecting a field applied topcoat.

Quick Facts

- TiO₂ Titanium White should always be kept in a dry location and allowed to reach equilibrium prior to installation
- Install over exterior sheathing and a weather resistive barrier such as Tyvar®
- For best results when installing TiO₂ Titanium White, use stainless steel or hot dipped galvanized nails
- Nails should be driven an 1-1/2" or more through dry sheathing and framing lumber but flush to the surface
- Re-coat all cut end and rip cuts to reduce moisture penetration
- For best results, brush apply two coats of high quality, exterior 100% acrylic color paint as soon as possible

